PHPCoord Documentation

Release version 5

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GETTING STARTED

1 License 3

PHPCoord is a PHP library to aid in handling coordinates. It can convert coordinates for a point from one system to another and also calculate distance between points.

6982 different coordinate systems are supported, covering the entire globe. Common systems supported include:

- WGS84 (GPS)
- OSGB36 (Great Britain)
- NAD27 and NAD83 (North America)
- UTM (Universal Transverse Mercator)
- ED50 and ETRS89 (Europe)
- GDA94 and GDA2020 (Australia)
- NZGD49 and NZGD2000 (New Zealand)

CHAPTER

ONE

LICENSE

PHPCoord code is licensed under the MIT license. It uses the EPSG dataset which is made available under the EPSG license. See license.txt for full details.

1.1 Installation

The recommended way to install PHPCoord is to use Composer. From the command line simply execute the following to add `php-coord/php-coord` to your project's `composer.json` file. Composer will automatically take care of downloading the source and configuring an autoloader:

```
composer require php-coord/php-coord
```

For *increased accuracy* of conversions, you may wish to install one or more optional add-on datapacks:

- `php-coord/datapack-africa`
- `php-coord/datapack-antarctic`
- `php-coord/datapack-arctic`
- `php-coord/datapack-asia`
- `php-coord/datapack-europe`
- `php-coord/datapack-northamerica`
- `php-coord/datapack-oceania`
- `php-coord/datapack-southamerica`

The code for the core package and the datapacks is also available to download from GitHub

1.1.1 Requirements

PHPCoord v5 is compatible with PHP 8.0+

1.2 A quick primer on geodesy concepts

Coordinates are hard. If they were easy, you wouldn't have needed to find this library. The below is intended as a quick guide to the basic concepts involved in geodesy (the science of measuring the Earth's shape) intended to allow you to more fully understand the terminology used within the library. It is **not** necessary to read or memorise this documentation section to use the library, it's just here for educational purposes.

1.2.1 What is a coordinate?

X marks the spot

A coordinate (or set of coordinates) is a reference to a particular point on the Earth, or in the near vicinity of it (e.g. the location of an aeroplane flying from A to B can still be identified by coordinates). Points are identified by a set of distances (and direction) from a known starting point. A simple example would be a pirate map saying that the buried treasure is 200 paces south-east of the old palm tree. Modern mapping doesn't measure distances from random trees, but the principle is the same - pick a starting point and measure out distance(s) in the specified direction(s).

But how can someone find that starting point to start counting from? How does a treasure hunter find the right palm tree (or even the right town?). You could measure out as a set of distances from a different tree, but that leads to circularity very quickly. The answer is to special-case the starting point and to define it differently in terms of the physical characteristics of the Earth. Pirate maps have pictures of coves and other local landmarks for this purpose, serious mapping uses *science*.

Datums

Technically, a datum is a set of described measurements to be performed on the Earth. The results of the measurements give the known starting point. Sometimes, when repeating what in theory are the same measurements different results are obtained - this can be because of simple error, or can also be because newer measurements are able to use more precise measuring techniques. Where this occurs, each set of measurements is termed a new *realisation* of the same datum.

Most datums have only ever had 1 realisation made, and therefore the word datum usually refers to the results rather than the method.

There are two types of datum: *geodetic* and *vertical*. The next few sections relate to the geodetic kind, vertical datums are covered further below.

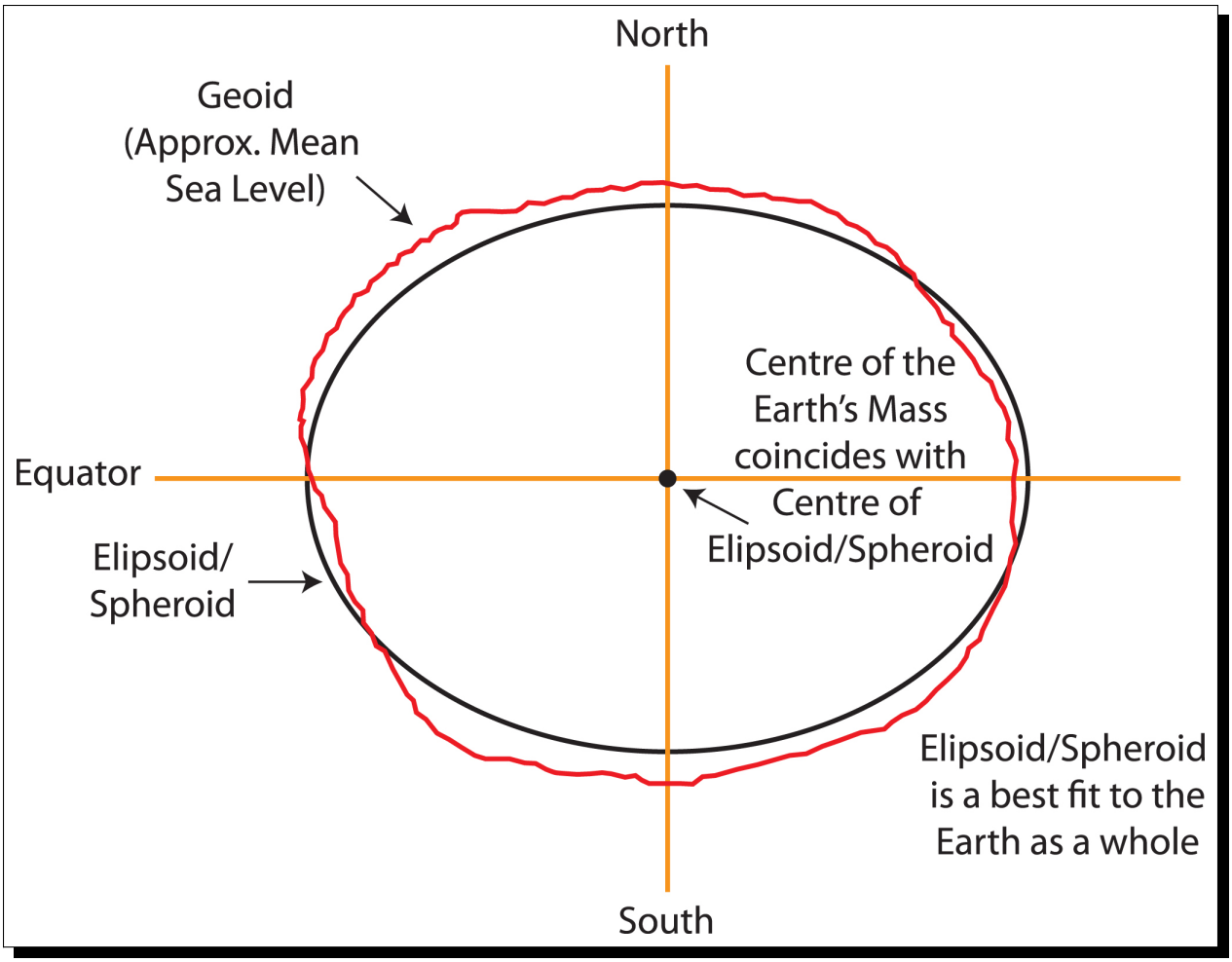
Ellipsoids

Before dividing the world into latitudes and longitudes or whatever other system is used, the first thing that needs to be agreed on is the shape and size of the planet. Otherwise, my latitude/longitude grid[1] and your latitude/longitude grid won't match up.

Although the Earth is normally pictured as spherical, it is actually very slightly wider at the equator than between the north and south poles making it more elliptical in nature. A 3D ellipse is called an *ellipsoid*. The Earth is not a perfect ellipsoid, it's more lumpy and bumpy than that but for the purposes of actually being able to perform any calculations at all, slight distortions from reality are usually accepted.

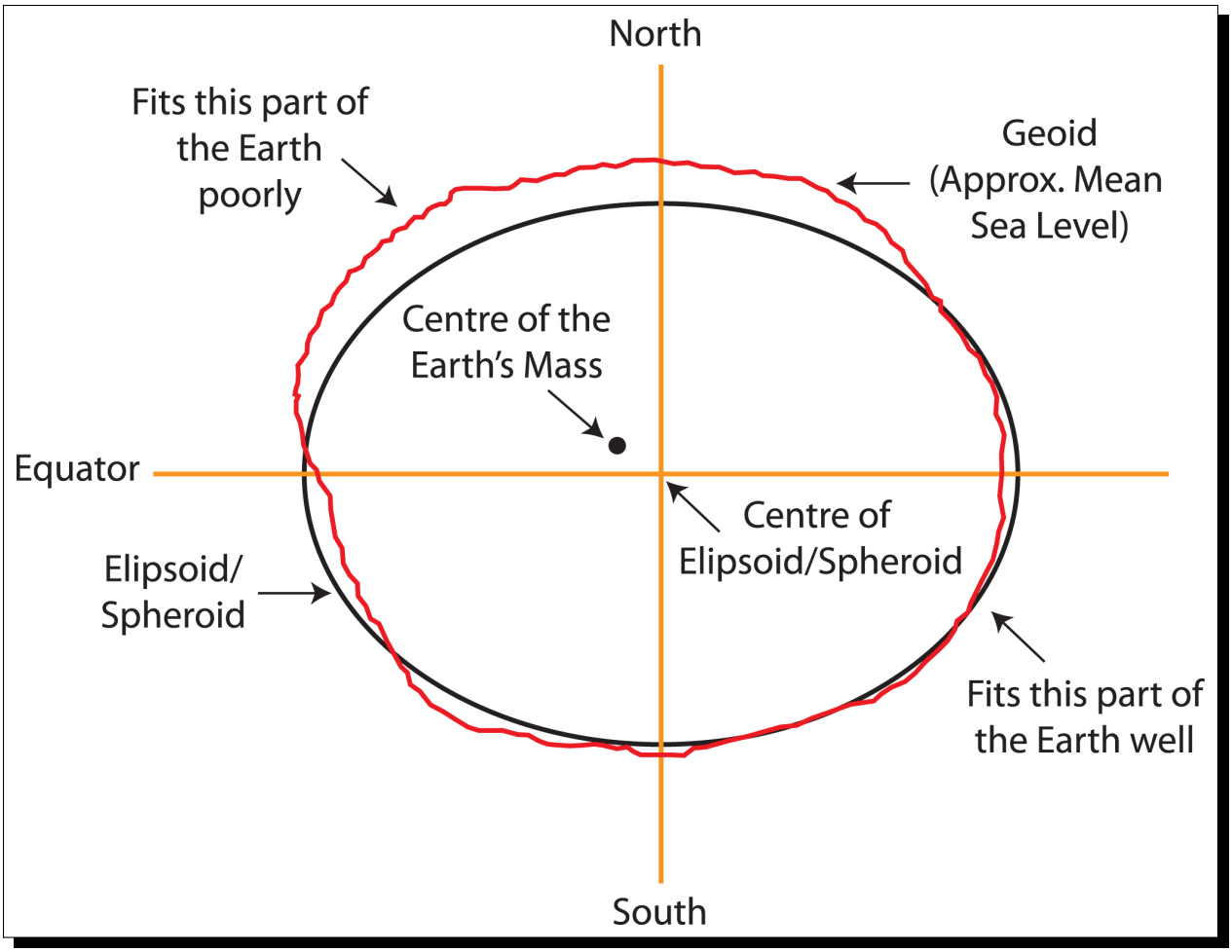
A global ellipsoid

[1] Technically called a graticule, but nobody knows that word



However, historically there has not been a unified view of what those distortions should be. Nowadays, many (most?) coordinates are generated by devices making use of GPS and other such similar global satellite systems. By their very nature, needing to work worldwide, a great deal of effort was made to pick an ellipsoid that minimised distortions on a global basis. Even with that effort, new measurements and refinements from improving satellite technologies resulted in evolution of the scientific consensus on the dimensions of the true "best-fit" ellipsoid several times and therefore different mapping systems make use of different ellipsoids.

A regional ellipsoid



Before satellite positioning though, mapping was usually done by surveying and on a much more regional basis. It was therefore commonplace for such mapping to purposefully make use of an ellipsoid that was a closer match to the actual Earth surface in the area of interest, with the greater resulting mismatch from reality in parts of the globe that weren't going to feature on the map being perfectly acceptable.

Thus, one of the most common reasons for needing to convert coordinates is that the source system and target system are based on entirely different ellipsoids.

Axes

Since we live in a 3D world, for full accuracy it is necessary to use 3 axes to describe the distance and direction of our point of interest from the known starting point (which I'll call the origin going forward). For simplicity, we'll ignore height for now and assume all points are at surface level. Thus, 2 axes are needed. Keeping in line with the philosophy of using physical attributes of the Earth to define things, a consistent practice of using North-South and East-West for these axes has been used since the time of the Ancient Greeks.

North-South

For measurements along the north-south axis, the easiest thing to do is to define 0 to be the halfway point between the two poles. Thus, in a latitude/longitude based system 0° latitude is the line around the equator. All geodetic datums use this definition.

East-West

There is no East Pole or West Pole, so unfortunately the same type of physical definition cannot be used to pick where to place the east-west axis. There are actually an infinite number of possible choices, the decision is essentially arbitrary. Because of this, the choice of where to draw the 0 line must be recorded as part of the datum definition. The chosen location is called the *Prime Meridian*.

The Ancient Greeks picked the westernmost point of the known world to be their Prime Meridian, which came with the helpful property for them that all longitudes were positive numbers. As map-making became more scientific in nature in the 18th century, many countries started using meridians that passed through their capital cities - e.g. French maps used Paris, German maps used Berlin. This was probably at least partially for reasons of national pride but also since longitude was more difficult to determine in those days, having the known 0 reference point inside the territory will have had practical benefits to those doing the measuring.

Eventually, international agreement was reached to standardise on a single meridian worldwide, that choice being the one passing through the Royal Observatory, Greenwich.

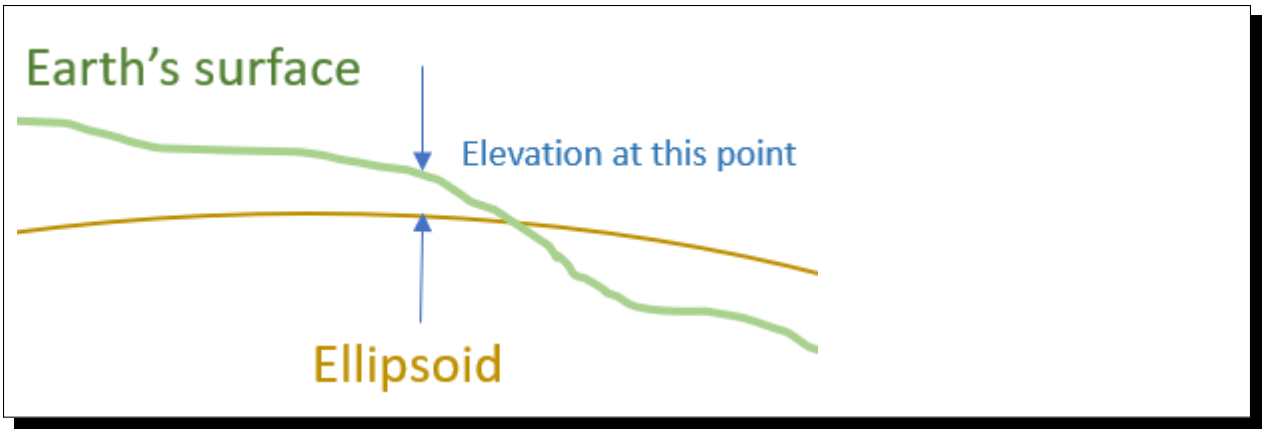
Note: From the above, you may have realised that the origin point for north-south measurements (the equator), and the origin point for east-west (typically Greenwich) can be several thousand miles away from each other on completely different continents. This seems very complicated compared to the pirate map. Wouldn't it be simpler to simply pick the Royal Observatory as (0,0) and measure everything from that single point?

The answer is that to measure distances in the way pirate maps do it requires either direct access to the origin point to measure out directly from (it had better be close!) or a network of other points with known coordinates that you can measure indirectly from. In fact, surveying makes heavy use of this very principle even today. However, it is not always practicable to find such points with known coordinates to measure from - for instance in remote areas, or for ships at sea.

With the right equipment and training, it is however possible to make standalone measurements of latitude and longitude from anywhere on the planet. This is useful.

Ellipsoid height

The ellipsoid vs reality



Height is a concept that intuitively sounds very simple, but gets complicated very quickly (there is a section below that expands on this). For now however, remember that the ellipsoidal model of the Earth is just an approximation, which means this imaginary ellipsoid sometimes passes underneath "true" ground level, and sometimes passes above it. Thus, although "height" above or below the ellipsoid can theoretically be calculated and used to accurately place a point within a 3D space, it is of very limited practical use on the ground since the ellipsoid cannot actually be seen.

Coordinate reference systems (CRSs)

A Coordinate Reference System, is the combination of a *Datum* and a *Coordinate System* which is the particular set of axes being used to measure distances on.

It is very important to know the set of axes being used, because otherwise numbers are very prone to misintepretation - for example `42.0669, 11.8128` would be near Rome if the order is (latitude, longitude), but near Djibouti if the order is (longitude, latitude). That's assuming the measurement is in decimal degrees, and not some other unit such as gradians.

Most map projections use metres, but some use feet. Many use Eastings and Northings, but some are Northings and Eastings. Some are Southings and Westings. Some are just X and Y, but some use X to mean East and others use it to mean North. Some write the X coordinate first, some write the Y coordinate first. Just about every permutation of meaning and order exists.

> **Warning:** When taking in coordinates from an external system, always, always, always check the **unit**, and the **order** of the numbers if they are not already clearly labelled.

Geographic

Geographic coordinates are those that use latitude/longitude (and optionally ellipsoid height).

Earth-centered (geocentric)

Longitudes are not of constant width, each degree covers a significantly wider area near the equator than near the poles. This means any calculations involving them involves **a lot** of trigonometry. For this reason, coordinates are sometimes expressed as 3 distances (3 axes…) from the centre of the Earth instead, with the axes angled so as to respect the datum definition (one runs through the poles, one runs through the line of prime meridian). GPS signals use this system, although the result is usually converted to latitude and longitude for display.

Projection (maps)

The 3D model describing the shape of the Earth is great from a scientific point of view, but comes with severe drawbacks for everyday use. A pirate has not, and never will, carry around a pocket globe. It's just not practicable.

Like all humans, they prefer flat, foldable (portable!) maps.

Unpeeling the globe

Apart from portability, one of the other main benefits of flat maps is that unlike latitudes and longitudes, map grids have a fixed scale which makes measuring distances between points in everyday units such as metres nice and easy.

Unfortunately, there is no method of drawing out what is inherently a 3D shape onto a 2D surface whilst retaining full fidelity. There are ways of maintaining accuracy of shape, but they involve distorting size. There are also ways to maintain accurate size, but that involves some distortion of shape. Many mapmaking techniques aim for a compromise between the two. Usually, the technique (called a projection) is chosen so that distortions are only noticeable at very large scale e.g. maps that try to show entire countries at once. A well-produced map of e.g. a single town will not show such effects.

Complicating things further, some projection methods work really well for tall, skinny areas (think Italy) but work much less well on a more square-like areas (think France) so there are many methods in use worldwide.

Note: All projected coordinate systems are based upon an existing geographic or geocentric system, and therefore

have a datum and ellipsoid inside their formal definitions.

Vertical

Because ellipsoidal heights are impractical to measure from the ground, it is common practice to ignore them completely and measure heights using a completely different system (you might have heard of a height being referred to as "above sea level"). A vertical coordinate system is by its nature 1 dimensional.

Compound

A compound coordinate, is simply the combination of a 2D geographic or projected coordinate and 1D vertical coordinate. Such a system is called 2D+1D to distinguish it from an actual 3D system such as a geocentric coordinate or a geographic coordinate that includes an ellipsoid height.

Heights

What is a height? In everyday usage, a height would be described as a distance above (or potentially below) a reference point. Easy. There are just 2 problems with that definition:

1) As discussed previously, defining something in terms of a real, physical point can produce difficulty in making measurements since it is not possible to determine the coordinates of your current location without having the known coordinates of a different point within sight
2) We also covered that a coordinate is a distance *and direction* from another point. As it turns out, "above" can be a complicated concept.

Before satellite positioning existed the first problem was ignored by mapmakers (or rather the practical difficulties were accepted as necessary). Heights were measured off a fixed point because there simply wasn't an alternative. In the UK mainland the basis for zero height is mean sea level at Newlyn in Cornwall as read off the tide gauge a hundred years ago and a marker was placed to use as physical reference. For Northern Ireland, using a reference point in Cornwall is physically impossible and thus a different sea-level based reference point was established in Belfast.

Other islands around the UK coast also have their own 0m markers, and countries worldwide all use similar systems, for instance the US and Canada use a system based upon the water in the Great Lakes and France has historically measured heights from a spot near Marseille.

True Story

In 2015, the primary marker for the American Samoa Vertical Datum on the island of Tutuila was destroyed in an earthquake. Other secondary markers with derived/calculated heights were present on the island, but the earthquake meant that they had moved too much to be considered reliable indicators of their claimed position and therefore could not safely be used to back-calculate where the original 0m height line was.

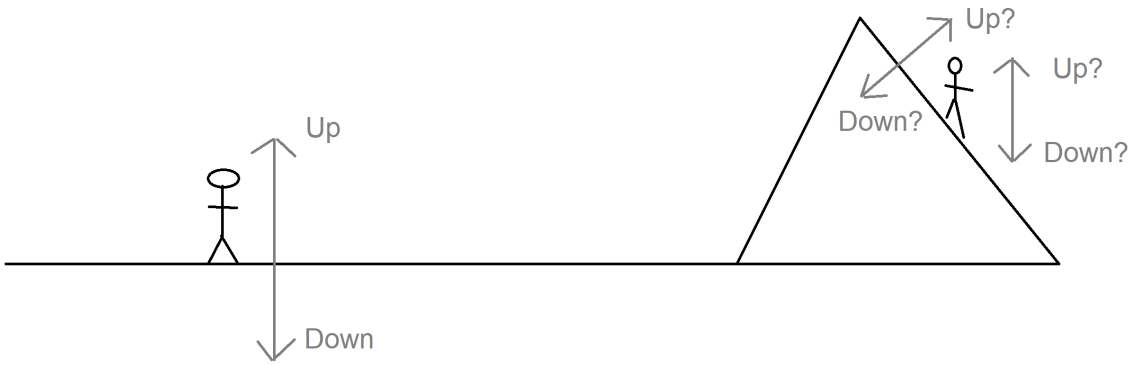
As a result, the US was forced to declare the datum as obsolete and today when height information is needed fresh surveys have to be made based on a new 0m origin marker that has no relation to the previous origin.

Caution: Despite all being based on sea level, the 0m Newlyn marker, the 0m Belfast marker, the 0m Marseille marker and any/all other markers in different countries have *absolutely nothing in common with each other and are not interchangeable*. They were created at different dates, and even if they had all been created on the same day, sea levels at different points on the globe are not equal.

Which way up?

The other problem is the "direction" of height. In order to work out the relative height of an arbitrary point compared to the reference marker a surveyor needs to know what direction to make their measurements.

Flat Earther problems

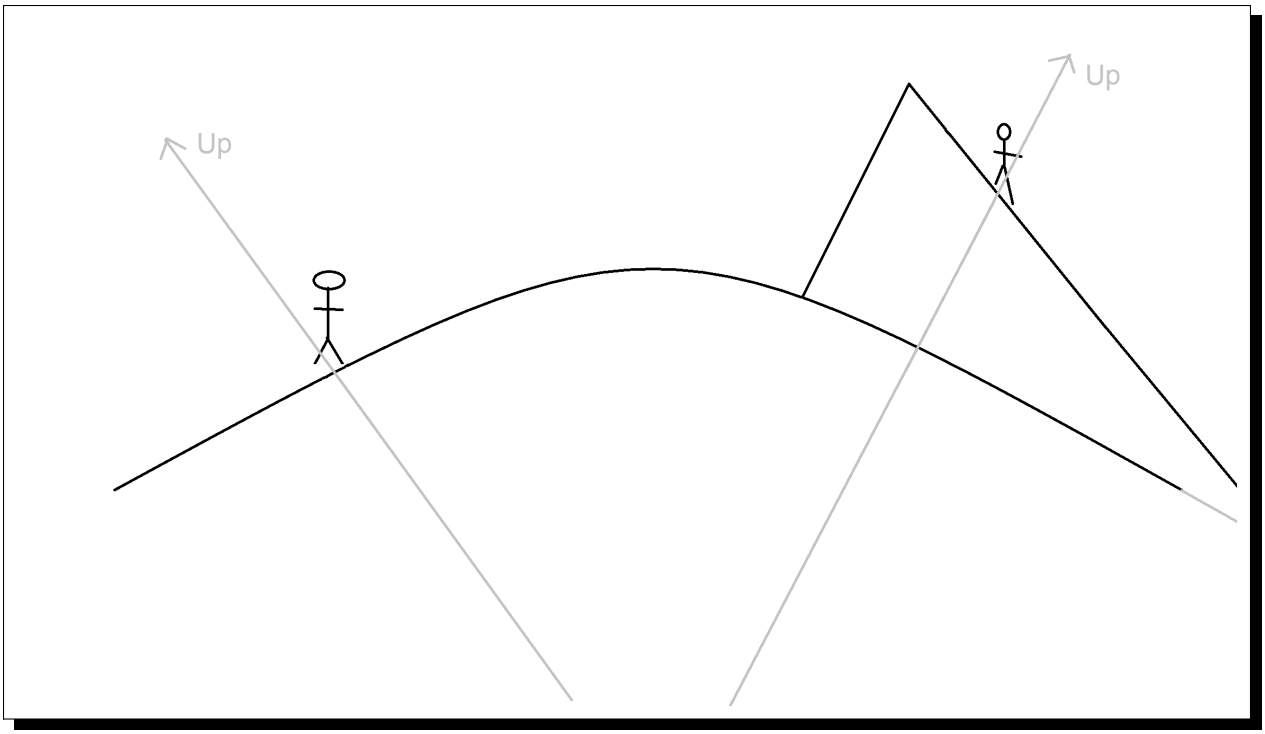


Intuitively we think of the ground as a flat surface, and height is simply the direction perpendicular to the ground. This works perfectly well for everyday usage such as a pirate burying treasure "6 feet below the ground".

However, if we introduce the concept of a hill to that mental model it starts to become ambiguous. If one person is standing at the bottom of a hill, and another person is standing on it…are they at the same height (actual ground level) or is one of them higher than the other?

Additionally, as any pirate who has every tried to look over the horizon from the crow's nest has figured out, the Earth is not, in fact, flat. It's possible to have a mountain ("higher") located "below" the horizon.

Up is the opposite of down



The actual, scientific answer to that conundrum is that "down" is the direction of gravity (i.e. towards the centre of the Earth), and "up" is the same axis just going the other way. That is, every point on the Earth measures "height" in a slightly different direction from every other point. That's not as bad as it initially sounds for a surveyor though because they can use a spirit level to determine what direction that is. It's fiddly and requires a lot of care but is doable, and a spirit level is part of every surveyors toolkit.

The results of those measurements reveal that the Earth's gravity does not actually point at the centre of the Earth. At first glance that seems it must be wrong, but if you think back to how the Earth isn't actually a perfect ellipsoid, and nor is the landmass on it equally distributed it starts to makes sense. The line of 0m height that is produced by keeping the spirit level level, is therefore not ellipsoidal but it also does not follow the contours of the Earth's physical surface. It is it's own unique imaginary shape (yes, another one) and is called the *local geoid*.

Note: Confusingly, "geoid height" refers to the distance between the *geoid* and the *ellipsoid*. The distance between the geoid and what you're measuring is called *orthometric height*.

Note: For most of a landmass, this does mean that just as an "ellipsoid height" is not related to anything the eye can see, neither are geoid based heights other than at that single primary marker point.

Although countries worldwide have tended to settle on using bodies of water to set their 0 height points, this is an arbitrary choice. It makes most of the country have positive height numbers which has practical benefits, but scientifically they could have chosen literally any point in the country to be 0 and done their spirit levelling from there instead. There are an infinite number of potential 0 heights that could have been picked with their corresponding geoids (before choosing sea level at Newlyn, UK mainland heights were actually measured from a church in Liverpool).

In the last few decades it has become possible to measure gravity from space. Not needing a stable surface and spirit level means that measuring a geoid does not need to stop at the coast anymore, but can continue over oceans too. That means that it is now possible for heights to actually be comparable and interoperable between different landmasses. This *global geoid* is defined as the geoid that most closely aligns with global mean sea level.

Note: This means the global geoid doesn't go through a single prone-to-destruction marker point and no country gets bragging rights to having the definition be based on their land, but it does involve measuring the entire ocean instead which obviously presents some practical difficulties.

Most national mapping therefore continue to use a local geoid, because it allows them to restrict the necessary survey work to within their own territory.

In summary, coordinates can measure heights in any of the following ways:

- a by-product of a 3-axis based geocentric coordinate system
- the distance from the imaginary ellipsoid, in the direction away from the centre of the ellipsoid
- the distance from an imaginary local geoid referenced to local mean sea level, in the opposite direction to gravity
- the distance from an imaginary global geoid referenced to global mean sea level, in the opposite direction to gravity

with absolutely none of them being referenced to actual physical ground characteristics at all.

Caution: This means if you're just trying to locate points on the Earth surface, it is probably better to use coordinates *without a height* rather than specify a zero height as that almost certainly doesn't mean what you intend it to.

And if you are trying to reference a height compared to local surface level ("the treasure is 6 feet below ground", "that building is 100 metres tall") specify that information separately to the coordinates.

Epochs

The Earth is not a static environment. Melting glaciers cause sea levels to change. Earthquakes cause land to suddenly shift in sudden (and often catastrophic) ways. And continental drift causes continents to slowly, but continuously change position. It is therefore important for high accuracy to record *when* the measurements were made. This date portion of a coordinate is called an *epoch*.

True Story

An operator of 2 oil platforms located near each other wanted to install a bridge between them. The first platform was installed in the 1990s, the second was installed in the 2010s. Both platforms had accurate locations recorded at time of installation, and so the corresponding distance and angle between them were calculated and a bridge was pre-fabricated on-shore and brought to sea.

It didn't fit. The calculated gap between them was wrong because the coordinates of the two platforms were taken 20 years apart. This mistake cost **millions** to fix.

Tip: Geodesy tends to use decimal years for epochs, e.g. 2000.40, or 2021.00. For ease of use PHPCoord deviates from this and accepts dates in standard PHP `DateTime`/`DateTimeImmutable` format instead.

If, like most people you don't have dates for your coordinates, you can also use `null` or leave blank entirely. Doing this means that PHPCoord will infer the current date when converting coordinates between systems.

1.2.2 EPSG codes

EPSG

The oil and gas industry relies very heavily upon precision surveying - accurate information as to location is of critical importance to them, not just on a day-to-day "is this drill positioned where we think it is?" basis but also for legal and regulatory purposes such as obtaining the necessary licenses. Given that almost every country in the world has its own coordinate system(s) and also that oil and gas fields do not stop at national boundaries, the ability to convert between them is a frequent necessity.

For that reason, one of their trade associations, the International Association of Oil & Gas Producers (IOGP) maintains a database of coordinate system definitions and how to transform between them for use by their members known as the EPSG Geodetic Parameter Dataset. They also generously make it available at no charge to non-members.

This dataset (maintained since 1985, public since 1993) is so useful that it has become a de-facto standard, and it is incorporated into many, many GIS applications. The usage of "EPSG codes" to reference specific coordinate systems has actually become so standardised that IOGP accepts submissions for new ones that have absolutely no relevance to their own members.

Example EPSG codes you may have seen include:

- EPSG:4326 for WGS84 (GPS)
- EPSG:4269 for NAD83 (North America)
- EPSG:4258 for ETRS89 (Europe)

PHPCoord also makes use of the EPSG dataset although for the most part tries to make it an implementation detail rather than something that users should be aware of. It is possible to use EPSG codes directly if you know them (e.g. taking in data from an external system), but it's not necessary to know the relevant code to use the software.

1.3 Creating points

In PHPCoord, the core domain object is a `Point`. A `Point` is constructed from set of coordinates (for example latitude and longitude), and a *Coordinate Reference System (CRS)* which encodes all of the parameters that make a particular system different from any other system. PHPCoord contains built-in knowledge of 6982 different CRSs, so in almost all cases you only need to know the CRS name rather than the individual defining parameters. A full list of built-in CRSs is *available here*.

Ideally (but optionally), a `Point` also has a *coordinate epoch* aka the date the coordinates are intended to represent. This is important for high-accuracy applications as *explained here*.

Each CRS contains within its definition the units of measurement to be used - for example the British National Grid uses metres, but the Arkansas State Plane Coordinate System uses US Survey Feet. To avoid any confusion about representation, all numbers in PHPCoord are strongly typed as value objects with conversions automatically performed between them as needed. All outputs are in the defined units of the relevant CRS, even if the inputs were given in different units. You may of course convert these units into other units if desired, but using units that are different from those defined in the CRS itself may lead to confusion later on.

1.3.1 Geographic points

A geographic point is one that has a *latitude* and a *longitude*. It may also include a height, but only if the height is an *ellipsoid height*. If you have a *local*, *geoid* or *orthometric* height, then you will need a both a `GeographicPoint` and a `VerticalPoint` and then to tie them together with a `CompoundPoint`.

A `GeographicPoint` can be constructed by calling `GeographicPoint::create`, which has the following signature:

```
public static function create(
    Geographic $crs,
    Angle $latitude,
    Angle $longitude,
    ?Length $height = null,
    ?DateTimeInterface $epoch = null
): GeographicPoint
```

For `$crs` use a `Geographic3D` CRS if you are supplying height, or a `Geographic2D` CRS if you are not.

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Geographic2D;
use PHPCoord\Point\GeographicPoint;
use PHPCoord\UnitOfMeasure\Angle\Degree;

// the Statue of Liberty in WGS84 (unknown date), traditional arguments, decimal degrees
$crs = Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84);
$point = GeographicPoint::create(
    $crs,
    new Degree(40.689167),
    new Degree(-74.044444),
    null
);

// the Statue of Liberty in WGS84 (2020-02-01), traditional arguments, string␣
↪representation of degrees
$crs = Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84);
$point = GeographicPoint::create(
    $crs,
    Degree::fromDegreeMinuteSecondHemisphere('40° 41 21 N'),
    Degree::fromDegreeMinuteSecondHemisphere('74° 2 40 W'),
    null,
    new DateTime('2020-02-01')
);

// the Statue of Liberty in WGS84 (unknown date), named arguments, decimal degrees
$crs = Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84);
```

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```php
$point = GeographicPoint::create(
    latitude: new Degree(40.689167),
    longitude: new Degree(-74.044444),
    crs: $crs
);

// the Statue of Liberty in WGS84 (2020-02-01), named arguments, string representation
↪of degrees
$crs = Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84);
$point = GeographicPoint::create(
    latitude: Degree::fromDegreeMinuteSecondHemisphere('40° 41 21 N'),
    longitude: Degree::fromDegreeMinuteSecondHemisphere('74° 2 40 W'),
    epoch: new DateTime('2020-02-01'),
    crs: $crs
);

$latitude = $point->getLatitude(); // Angle
$longitude = $point->getLongitude(); // Angle
$height = $point->getHeight(); // Length|null
$epoch = $point->getCoordinateEpoch(); // DateTimeImmutable|null
$crs = $point->getCRS(); // Geographic2D|Geographic3D
$asString = (string) $point; // '(40.689167, -74.044444)'
```

1.3.2 Projected points

A projected point is one that has an *east-west* distance and a *north-south* distance. These are most often called *eastings* and *northings*, but sometimes *westings* and/or *southings* are used instead. Some coordinate systems eschew directional naming and use just *x* and *y* instead, the meaning of which varies. PHPCoord's input always uses the directional naming system.

If you have coordinates `(x,y,h)`, then you *may* need a 3D projected point, but you *probably* need a 2D `ProjectedPoint` plus a `VerticalPoint`, and then to tie them together with a `CompoundPoint`. Only if `h` represents ellipsoidal height should `h` be used as a third dimension when constructing a `ProjectedPoint`.

Note: Within the built-in PHPCoord systems, only `Projected::EPSG_LUREF_LUXEMBOURG_TM_3D` is a 3D system, all others are 2D.

Caution: Do not confuse `(x,y,h)` with `(x,y,z)`. `(x,y,z)` is used by Geocentric coordinate systems.

A `ProjectedPoint` can be constructed by calling one of the `ProjectedPoint::create*` methods, which have the following signatures:

```php
public static function createFromEastingNorthing(
    Projected $crs,
    Length $easting,
    Length $northing,
    ?DateTimeInterface $epoch = null,
    ?Length $height = null
```

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```
): ProjectedPoint

public static function createFromWestingNorthing(
    Projected $crs,
    Length $westing,
    Length $northing,
    ?DateTimeInterface $epoch = null,
    ?Length $height = null
): ProjectedPoint

public static function createFromWestingSouthing(
    Projected $crs,
    Length $westing,
    Length $southing,
    ?DateTimeInterface $epoch = null,
    ?Length $height = null
): ProjectedPoint
```

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Nelson's Column in British National Grid (unknown date), traditional arguments
$crs = Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(530017),
    new Metre(180419)
);

// Nelson's Column in British National Grid (2020-02-01), traditional arguments
$crs = Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(530017),
    new Metre(180419),
    new DateTime('2020-02-01')
);

// Nelson's Column in British National Grid (unknown date), named arguments
$crs = Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID);
$point = ProjectedPoint::createFromEastingNorthing(
    easting: new Metre(530017),
    northing: new Metre(180419),
    crs: $crs
);

// Nelson's Column in British National Grid (2020-02-01), named arguments
$crs = Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID);
```

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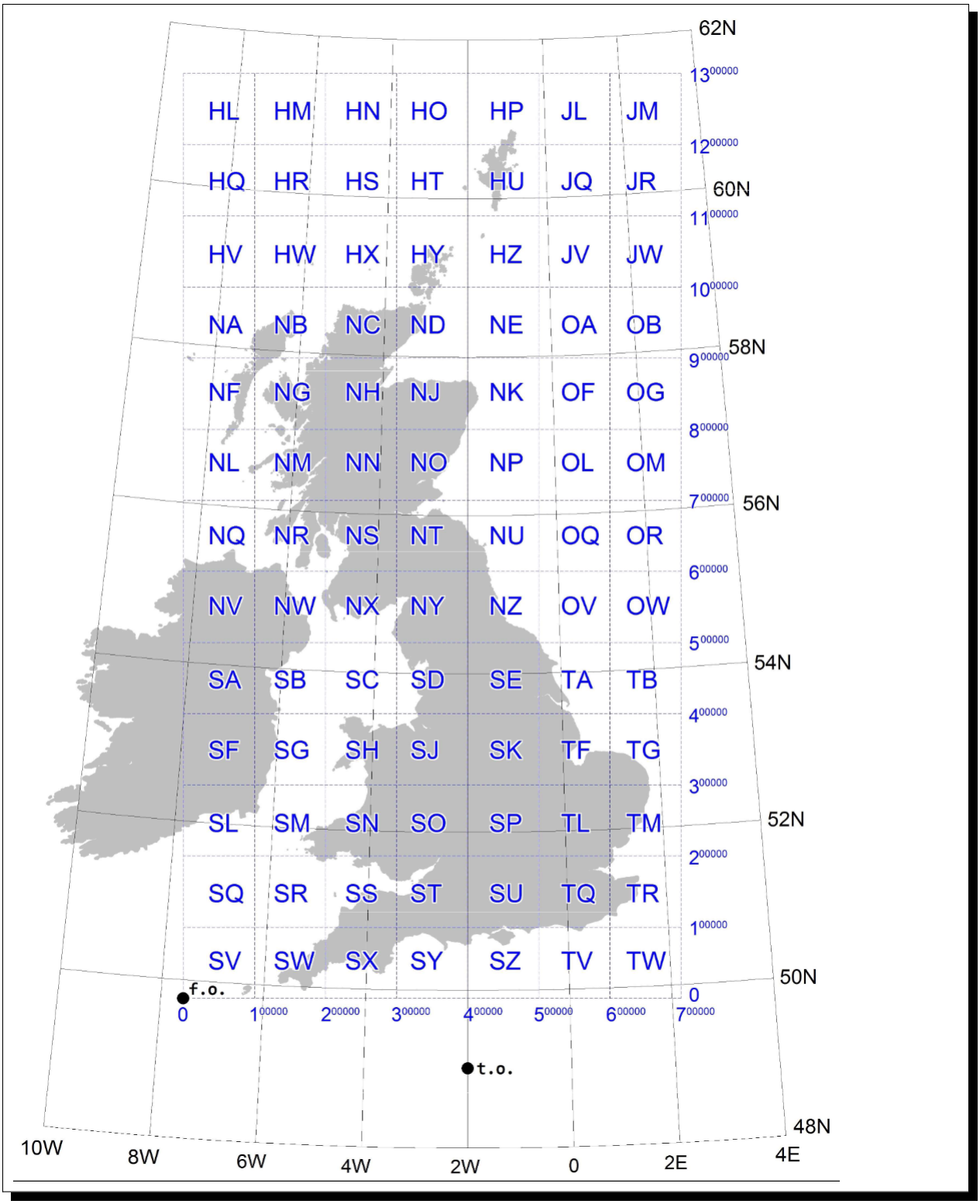
```php
$point = ProjectedPoint::createFromEastingNorthing(
    easting: new Metre(530017),
    northing: new Metre(180419),
    epoch: new DateTime('2020-02-01'),
    crs: $crs
);

$easting = $point->getEasting(); // Length
$northing = $point->getNorthing(); // Length
$epoch = $point->getCoordinateEpoch(); // DateTimeImmutable|null
$crs = $point->getCRS(); // Projected
$asString = (string) $point; // '(530017, 180419)'
```

British National Grid

GB grid references



(also known as Ordnance Survey National Grid)

In Great Britain, the convention is not to use as-is the easting and northing coordinates produced by the projection. The country is divided into sub-grids of 100km×100km which are given 2 letter codes, and then coordinates are given referenced to their position within the subgrid rather than the national origin. Thus, Nelson's Column `(530017, 180419)`

would usually be referred to as `TQ 30017 80419`. Exchanging numbers for letters in this way sounds complex, but having the grid letters aids greatly in finding the right map sheet when working with paper maps.

Using the letters also clearly distinguishes between "pure" eastings/northings and the grid system. This has the benefit that it becomes permissible to truncate coordinates when full metre-level precision is not required, e.g. when trying to locate a building. For example, if just trying to locate Trafalger Square as a whole rather than specifically Nelson's statue, a coordinate like `TQ 300 804` could be given which is accurate to ~100m. This would not be possible to give purely numerically, as it could be confused with an actual full coordinate for a different point.

A `BritishNationalGridPoint` is automatically created from `ProjectedPoint::createFromEastingNorthing()` if the relevant CRS is supplied - the examples above all actually create a `BritishNationalGridPoint` rather than a standard `ProjectedPoint`. Alternatively, you can construct one directly.

```
// from full eastings and northings
public function __construct(
    Length $easting,
    Length $northing,
    ?DateTimeInterface $epoch = null
): BritishNationalGridPoint

// from a grid reference
public static function fromGridReference(
    string $reference,
    ?DateTimeInterface $epoch = null
): BritishNationalGridPoint
```

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\BritishNationalGridPoint;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Nelson's Column
$crs = Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(530017),
    new Metre(180419)
);

// also Nelson's Column
$point = new BritishNationalGridPoint(new Metre(530017), new Metre(180419)); // CRS is␣
↪implied

// also Nelson's Column
$point = BritishNationalGridPoint::fromGridReference('TQ 30017 80419'); // CRS is implied

$isBritishGrid = $point instanceof BritishNationalGridPoint; //true
$asString = (string) $point; // '(530017, 180419)'
$asString = $point->asGridReference(10); // 'TQ3001780419'
$asString = $point->asGridReference(6); // 'TQ300804'
$asString = $point->asGridReferenceWithSpaces(10); // 'TQ 30017 80419'
$asString = $point->asGridReferenceWithSpaces(6); // 'TQ 300 804'
```

Irish Grid

Ireland adopted a similar system to Britain that also uses grid letters. Each 100km×100km grid square in Ireland is identified by a single letter rather than by two, in other respects the system is near identical.

A `IrishGridPoint` is automatically created from `ProjectedPoint::createFromEastingNorthing()` if the relevant CRS is supplied. Alternatively, you can construct one directly.

```
// from full eastings and northings
public function __construct(
    Length $easting,
    Length $northing,
    ?DateTimeInterface $epoch = null
): IrishGridPoint

// from  a grid reference
public static function fromGridReference(
    string $reference,
    ?DateTimeInterface $epoch = null
): IrishGridPoint
```

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\IrishGridPoint;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Spire of Dublin
$crs = Projected::fromSRID(Projected::EPSG_TM75_IRISH_GRID);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(315904),
    new Metre(234671)
);

// also Spire of Dublin
$point = new IrishGridPoint(new Metre(315904), new Metre(234671)); // CRS is implied

// also Spire of Dublin
$point = IrishGridPoint::fromGridReference('O1590434671'); // CRS is implied

$isIrishGrid = $point instanceof IrishGridPoint; //true
$asString = (string) $point; // '(315904, 234671)'
$asString = $point->asGridReference(10); // 'O1590434671'
$asString = $point->asGridReference(6); // 'O159346'
$asString = $point->asGridReferenceWithSpaces(10); // 'O 15904 34671'
$asString = $point->asGridReferenceWithSpaces(6); // 'O 159 346'
```

Irish Transverse Mercator

In 2001, Ireland introduced a replacement system for the Irish Grid system known as Irish Transverse Mercator (ITM). In ITM eastings and northings are always given in full. ITM does not use grid letters.

Nonetheless, PHPCoord comes with a dedicated `IrishTransverseMercatorPoint` class. This class exists only to try and mitigate any confusion in advance between the two systems - a developer who was not aware of the older system, might accidentally try to use a `IrishGridPoint` thinking it was the right thing to do when they actually have coordinates in the ITM system. The class has no additional functionality over a standard `ProjectedPoint`.

```
// from full eastings and northings
public function __construct(
    Length $easting,
    Length $northing,
    ?DateTimeInterface $epoch = null
): IrishTransverseMercatorPoint
```

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\IrishTransverseMercatorPoint;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Spire of Dublin
$crs = Projected::fromSRID(Projected::EPSG_IRENET95_IRISH_TRANSVERSE_MERCATOR);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(715830),
    new Metre(734697),
);

// also Spire of Dublin
$point = new IrishTransverseMercatorPoint(new Metre(715830), new Metre(734697)); // CRS␣
↪is implied

$isITM = $point instanceof IrishTransverseMercatorPoint; //true
$asString = (string) $point; // '(715830, 734697)'
```

Universal Transverse Mercator (UTM)

Although one of the most widely used applications of the Transverse Mercator projection, UTM is not actually a map projection. It's a *system* of map projections, and this distinction means that it does not fit neatly into the standard data model. Mathematically each UTM zone/hemisphere combination is its own unique projection and therefore to work with the data you also need to know which zone/hemisphere the coordinates are referenced to. Adding a further layer of complication is that although UTM is most commonly used alongside WGS84, it can be used with any Geographic CRS so that information needs to be known as well.

PHPCoord has 3 ways to handle this issue.

Treat each zone/hemisphere as a fully independent projection

Pros: no confusion about what the coordinates represent
Cons: when converting to UTM, you need to know in advance which zone/hemisphere the points reside in

For many `Geographic2D` CRSs, there are corresponding dedicated `Projected` CRS for each individual UTM zone and hemisphere. In total there are over 1000 individual such CRSs defined.

Examples:

```php
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Piazza San Marco, Venice
$crs = Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33N);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(291789),
    new Metre(5034599),
);

// Piazza San Marco, Venice
$crs = Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(291789),
    new Metre(5034599),
);
```

Prefix easting with the zone

Pros: you only have to know the hemisphere when converting to UTM (i.e. is latitude $\pm$ 0)
Cons: coordinates are not distances, WGS84 only

Because the previously described system has some practical difficulties in use when working with points that are not all from within a single zone, this alternate mechanism is sometimes used. It works by (ab)using the easting coordinate to store the zone number alongside the actual coordinate resulting from the projection.

> **Warning:** Normally the coordinates of a map projection represent real distances on the ground. For UTM, these would be distance in metres from the origin. However when zone numbers are incorporated into the easting in this way, then that is no longer true - an easting of 32500000 and an easting of 33500000 are **not** 1000000m apart.
>
> The prefix-based mechanism is made available in PHPCoord for interoperability with other systems, but is discouraged for use.

Example:

```php
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Piazza San Marco, Venice
$crs = Projected::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_NORTHERN_HEMISPHERE);
$point = ProjectedPoint::createFromEastingNorthing(
    $crs,
    new Metre(33291789), // UTM is defined as metres, but this coordinate is actually␣
↪not...
    new Metre(5034599)
);
```

Treat UTM as special

Pros: no pre-calculation needed to determine hemisphere or zone number when converting
Cons: potentially less interoperability with other systems (does not fit into the EPSG data model)

PHPCoord also offers a way to work with UTM where the zone number and hemisphere are treated as first-class aspects of the data model rather than shoehorned into one of the coordinates or needing to be extrapolated from the name of the CRS. This is done via `UTMPoint` which is a specialised extension of `ProjectedPoint`.

```php
public function __construct(
    Geographic $crs,
    Length $easting,
    Length $northing,
    int $zone,
    string $hemisphere, //one of UTMPoint::HEMISPHERE_NORTH or UTMPoint::HEMISPHERE_SOUTH
    ?DateTimeInterface $epoch = null
): UTMPoint
```

Example:

```php
<?php
use PHPCoord\CoordinateReferenceSystem\Geographic;
use PHPCoord\Point\UTMPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Piazza San Marco, Venice
$crs = Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84);
$point = new UTMPoint(
    $crs,
    new Metre(291789),
    new Metre(5034599),
    33,
    UTMPoint::HEMISPHERE_NORTH,
);

$easting = $point->getEasting(); // Metre
```

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```
$northing = $point->getNorthing(); // Metre
$zone = $point->getZone(); // int
$hemisphere = $point->getHemisphere(); // UTMPoint::HEMISPHERE_
↪NORTH|UTMPoint::HEMISPHERE_SOUTH
$epoch = $point->getCoordinateEpoch(); // DateTimeImmutable|null
$baseCRS = $point->getBaseCRS(); // Geographic
$crs = $point->getCRS(); // Projected (synthesised at runtime, not one from the built-in␣
↪EPSG set)
$asString = (string) $point; // '33N 291789 5034599'
```

1.3.3 Geocentric points

A geocentric point is one that measures distances from the centre of the Earth. These are usually in `(x,y,z)` format.

A `GeocentricPoint` can be constructed by calling `GeocentricPoint::create` which has the following signature:

```
public static function create(
    Geocentric $crs,
    Length $x,
    Length $y,
    Length $z,
    ?DateTimeInterface $epoch = null
): GeocentricPoint
```

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Geocentric;
use PHPCoord\Point\GeocentricPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Ascension Island GPS tracking station in ITRF2008 (unknown date), traditional␣
↪arguments
$crs = Geocentric::fromSRID(Geocentric::EPSG_ITRF2008);
$point = GeocentricPoint::create(
    $crs,
    new Metre(6121152),
    new Metre(-1563979),
    new Metre(-872615)
);

// Ascension Island GPS tracking station in ITRF2008 (2020-02-01), traditional arguments
$crs = Geocentric::fromSRID(Geocentric::EPSG_ITRF2008);
$point = GeocentricPoint::create(
    $crs,
    new Metre(6121152),
    new Metre(-1563979),
    new Metre(-872615),
    new DateTime('2020-02-01')
);

// Ascension Island GPS tracking station in ITRF2008 (unknown date), named arguments
```

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```php
$crs = Geocentric::fromSRID(Geocentric::EPSG_ITRF2008);
$point = GeocentricPoint::create(
    x: new Metre(6121152),
    y: new Metre(-1563979),
    z: new Metre(-872615),
    crs: $crs
);

// Ascension Island GPS tracking station in ITRF2008 (2020-02-01), named arguments
$crs = Geocentric::fromSRID(Geocentric::EPSG_ITRF2008);
$point = GeocentricPoint::create(
    x: new Metre(6121152),
    y: new Metre(-1563979),
    z: new Metre(-872615),
    epoch: new DateTime('2020-02-01'),
    crs: $crs
);

$x = $point->getX(); // Length
$y = $point->getY(); // Length
$z = $point->getZ(); // Length
$epoch = $point->getCoordinateEpoch(); // DateTimeImmutable|null
$crs = $point->getCRS(); // Geocentric
$asString = (string) $point; // '(6121152, -1563979, -872615)'
```

1.3.4 Vertical points

A vertical point is one that has a *height* (or *depth* as negative) component only. Since this is of limited practical use, they are usually paired with 2D `GeographicPoint` or a `ProjectedPoint` as part of a `CompoundPoint`.

A `VerticalPoint` can be constructed by calling `VerticalPoint::create`, which has the following signature:

```php
public static function create(
    Vertical $crs,
    Length $height,
    ?DateTimeInterface $epoch = null
): VerticalPoint
```

Examples:

```php
<?php
use PHPCoord\CoordinateReferenceSystem\Vertical;
use PHPCoord\Point\VerticalPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// an arbitrary height in New Zealand Vertical Datum (unknown date), traditional␣
↪arguments
$crs = Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT);
$point = VerticalPoint::create(
    $crs,
    new Metre(12.34),
);
```

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```php
// an arbitrary height in New Zealand Vertical Datum (2020-02-01), traditional arguments
$crs = Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT);
$point = VerticalPoint::create(
    $crs,
    new Metre(12.34),
    new DateTime('2020-02-01')
);

// an arbitrary height in New Zealand Vertical Datum (unknown date), named arguments
$crs = Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT);
$point = VerticalPoint::create(
    height: new Metre(12.34),
    crs: $crs
);

// an arbitrary height in New Zealand Vertical Datum (2020-02-01), named arguments
$crs = Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT);
$point = VerticalPoint::create(
    height: new Metre(12.34),
    epoch: new DateTime('2020-02-01'),
    crs: $crs
);

$height = $point->getHeight(); // Length
$epoch = $point->getCoordinateEpoch(); // DateTimeImmutable|null
$crs = $point->getCRS(); // Vertical
$asString = (string) $point; // '(12.34)'
```

1.3.5 Compound points

A compound point ties together horizontal coordinates (2D) and a vertical coordinate (1D) to fully locate a point in 3D.

A `CompoundPoint` can be constructed by calling `CompoundPoint::create`, which has the following signature:

```php
public static function create(
    Compound $crs,
    GeographicPoint|ProjectedPoint $horizontalPoint,
    VerticalPoint $verticalPoint,
    ?DateTimeInterface $epoch = null
): CompoundPoint
```

Example:

```php
<?php
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\CoordinateReferenceSystem\Vertical;
use PHPCoord\Point\CompoundPoint;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\Point\VerticalPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;
```

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```php
// Horizontal location of Ben Nevis peak using British National Grid
$horizontalCRS = Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID);
$horizontalPoint = ProjectedPoint::createFromEastingNorthing(
    $horizontalCRS,
    new Metre(216692),
    new Metre(771274)
);

// Height above Newlyn Sea Level of Ben Nevis peak
$verticalCRS = Vertical::fromSRID(Vertical::EPSG_ODN_HEIGHT);
$verticalPoint = VerticalPoint::create(
    $verticalCRS,
    new Metre(1345)
);

// Full coordinate of Ben Nevis Peak
$compoundCRS = Compound::fromSRID(Compound::EPSG_OSGB36_BRITISH_NATIONAL_GRID_PLUS_ODN_
↪HEIGHT);
$point = CompoundPoint::create(
    $compoundCRS,
    $horizontalPoint,
    $verticalPoint
);

$horizontal = $point->getHorizontalPoint(); // GeographicPoint|ProjectedPoint
$vertical = $point->getVerticalPoint(); // VerticalPoint
$epoch = $point->getCoordinateEpoch(); // DateTimeImmutable|null
$crs = $point->getCRS(); // Compound
$asString = (string) $point; // '((216692, 771274), (1345))'
```

1.4 Coordinate conversions

PHPCoord can convert coordinates representing a point from one *Coordinate Reference System (CRS)* to another one. In this simplest case this might just be converting units (e.g. feet to metres or vice versa), but in most cases involves running one or more complex algorithms on the numbers.

Most such algorithms are not standalone, but require parameters to work - for instance many require an origin point to be specified and these points differ across mapping systems even when they utilise the same algorithm. Knowing both the algorithm(s) to be used and the parameters used to tune them is essential to perform high-accuracy conversions.

PHPCoord offers two models of operation for coordinate conversion:

- The hard way in which you can directly utilise one of the many implemented algorithms along with the parameters of your choice to keep full control over the conversion
- The easy way in which PHPCoord consults the built-in EPSG dataset for the relevant algorithm(s) to use and best parameters to use for your chosen conversion and executes them behind the scenes on your behalf.

1.4.1 The easy way

When working with the built-in *Coordinate Reference Systems*, PHPCoord can usually convert the coordinates in any given `Point` to be in a different system by calling the `convert()` method.

```
$newPoint = $point->convert(
    CoordinateReferenceSystem $to,
    bool $ignoreBoundaryRestrictions = false
); // returns a new Point
```

Examples:

```
<?php
use PHPCoord\CoordinateReferenceSystem\Geographic2D;
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\GeographicPoint;
use PHPCoord\UnitOfMeasure\Angle\Degree;

// Converting from NAD83 to Florida State Plane
$from = GeographicPoint::create(
    Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),
    new Degree(28.46),
    new Degree(-80.53),
    null
);
$toCRS = Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST);
$to = $from->convert($toCRS); // $to instanceof ProjectedPoint
```

```
<?php
use PHPCoord\CoordinateReferenceSystem\Geographic2D;
use PHPCoord\CoordinateReferenceSystem\Projected;
use PHPCoord\Point\ProjectedPoint;
use PHPCoord\UnitOfMeasure\Length\Metre;

// Converting from Florida State Plane to NAD83
$from = ProjectedPoint::createFromEastingNorthing(
    Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST)
    new Metre(246029.85),
    new Metre(457274.616)
);
$toCRS = Geographic2D::fromSRID(Geographic2D::EPSG_NAD83);
$to = $from->convert($toCRS); // $to instanceof GeographicPoint
```

Ignoring the second optional parameter for now, calling `convert()` will consult the built-in dataset and if a conversion is found, then PHPCoord will automatically invoke the relevant conversion method with the appropriate parameters (see the "hard" section), returning a new `Point` object with the adjusted coordinates.

Although PHPCoord has knowledge of thousands of different conversions, this does not cover many scenarios. For example there is no published direct conversion between a British National Grid reference and a WGS84 UTM Grid reference. In these scenarios PHPCoord can "chain" conversions it does know about to achieve the desired result, for example it would automatically calculate British National Grid -> OSGB36 -> WGS84 -> UTM. This ability to chain means conversion between almost any two CRSs is possible as long as they have a common link.

```php
$from = ProjectedPoint::createFromEastingNorthing(
    Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID),
    new Metre(577275),
    new Metre(69741)
);
$toCRS = Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31N);
$to = $from->convert($toCRS);
```

Note: Calculating every single possible permutation of chain between two CRSs is very computationally expensive and so for practicality PHPCoord limits the chain depth to 7 (i.e. the source CRS, 5 intermediate CRSs and the target CRS). If you know a transformation should be possible, but PHPCoord cannot find it you may wish to try an explicit 2-stage conversion (e.g. source to WGS84, WGS84 to target).

Boundaries

Every CRS has a defined area ("extent") over which it operates. Some are worldwide (e.g. WGS84), but most are regional (e.g. NAD83) or country-specific (e.g. GDA94). When converting points between different coordinate systems, it's important that these extents are respected, as any conversion formulas are only valid within the specified area of operation. For instance taking a point located in Tokyo and trying to obtain the New Zealand Map Grid coordinate for it is a nonsensical operation - theoretically you could find a chain of conversions (e.g. perhaps through WGS84) that would would produce *a* coordinate, but it would not be in the expected spot when plotting it onto an actual map.

PHPCoord will not normally allow such conversions to take place.

There are occasions however where the formal definitions of the CRS and real-life conflict - for example in Germany (which is partially in UTM zone 32 and partially in zone 33), coordinates are sometimes requested as zone 32-based even for points that are in zone 33. The administrative convenience is considered to outweigh the slight loss of accuracy of extending the zone.

If you are sure that you know what you're doing, you can set the optional parameter `$ignoreBoundaryRestrictions` to `true` to remove these boundary checks. Conversions between coordinate systems located in different regions (e.g. USA to UK, or Japan to NZ) will still be disallowed.

Note: For more on how PHPCoord implements boundaries/extents, *see below*.

Caution: The importance of boundary checking to ensure fidelity of results means that converting a standalone `VerticalPoint` cannot safely be done. `VerticalPoint` objects therefore do not have a `->convert` method.

In practice this should not affect you as a `VerticalPoint` will normally be used as part of a `CompoundPoint`.

Universal Transverse Mercator (UTM)

PHPCoord has 3 different ways of handling UTM references (*see here for details*).

For conversions that *do not* involve a `UTMPoint`, use the `->convert()` method as described above.

For conversions from a `GeographicPoint` to a `UTMPoint`, call the `->asUTMPoint()` method.

```
$from = GeographicPoint::create(
    Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),
    new Degree(43.642567),
    new Degree(-79.387139),
    null
);
$to = $from->asUTMPoint();
```

Note: You cannot directly convert to a `UTMPoint` from a different kind of `ProjectedPoint` or a `GeocentricPoint`, you must convert to the relevant `GeographicPoint` first. This is because the projection parameters are calculated dynamically at runtime and are not available to take part in chain creation.

For conversions from a `UTMPoint` back to the associated `GeographicPoint`, call the `->asGeographicPoint()` method.

```
$from = new UTMPoint(
    new Metre(630084),
    new Metre(4833439),
    17,
    UTMPoint::HEMISPHERE_NORTH,
    Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84)
);
$to = $from->asGeographicPoint();
```

The `->convert()` method *is* present on `UTMPoint`s and can be used as normal to convert to any desired CRS (including the base CRS).

Accuracy

If the Earth were actually the shape of an ellipsoid, algorithms could be devised so that conversions between systems could be performed with no absolutely no loss of accuracy - systems would in effect be mathematically equivalent.

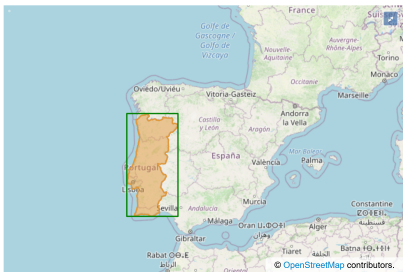
Unfortunately the Earth isn't an ellipsoid and coordinates are determined by individual humans operating on the Earth's actual, irregular surface using instruments subject to observation error. That means that conversions between CRSs are not just converting between mathematical ideals but often convert between *sets of observations*. When this happens it means that the conversions between the CRSs can only ever be an approximation (typically within a few metres) rather than exact.

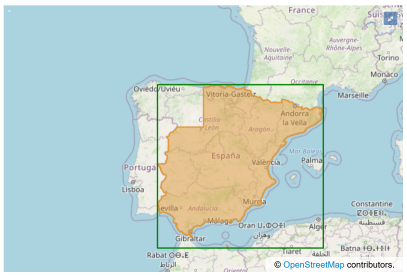
Extents

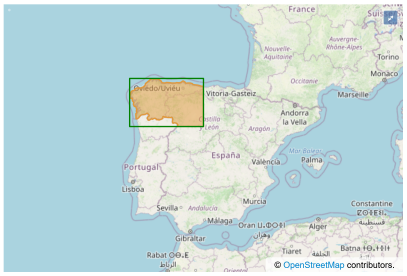
When dealing with CRSs that cover significant land area it is possible (and common) for mapping agencies to derive multiple different parameter sets for use to obtain better accuracy depending on location. For example when converting from ED50 to ETRS89 different parameters should be used for a point inside France than a point inside Denmark.

In order to be able to do conversions successfully, PHPCoord therefore needs to know not just the geographical extents of each coordinate system but also (where different), the geographical extents of each possible set of conversion parameters.

For a closer look at this, keeping the same example of ED50 to ETRS89, let's consider the far-west of Europe (Spain and Portugal). Here, the relevant authorities have produced three distinct conversions, each for a different area. They are shown below in orange:







Even after deduplication, there are over 3000 distinct geographic extents required to support the full range of PHPCoord's conversion abilities. Because borders are rarely straight lines, the full set of extent data for each and every coordinate system supported by PHPCoord would be over 100Mb of polygon data. That is far, far too much data to ask each and every library user to download and incorporate into their application.

Grids

For more modern coordinate systems it is becoming standard for mapping agencies to go beyond simply providing tailored parameters for broad regions or states within their territory and to provide detailed adjustments using a grid. For instance in New Zealand a 20km×20km grid provided by LINZ can be used to make significantly more precise conversions between NZGD1949 and NZGD2000. Using the grid provides for typical accuracy of $\pm$0.2m, compared to a 4m accuracy from the alternative published transformation. For obvious reasons these grid files can also be quite large, and therefore the same concerns about packaging them apply.

"Out of the box"

The core PHPCoord package attempts to strike a pragmatic balance between accuracy and download size. It does not provide access to any grid-based corrections, and it uses simple bounding boxes (the green lines) as extent data rather than the detailed orange polygons.

As is obvious from looking at the Spain/Portugal images though, the areas enclosed by the green boxes have areas of overlap. In fact there are areas of north-east Portugal that are actually encompassed by all 3! If a coordinate is located within one of these overlap areas, then each of those 3 possible conversions is necessarily considered equally valid, and which one is ultimately utilised is undefined. The difference in resulting coordinate from any use of the "wrong" formula is likely to be very small (perhaps a few metres).

Note: This particular example was European, but "wrong" conversions can be picked wherever there are multiple extents for a given pair of coordinate systems. For example NAD27/83 conversions in North America, or SAD69 conversions in South America can be similarly affected.

Add-on datapacks

Not every user will consider the above tradeoff to be desirable, preferring instead to have the highest-accuracy conversions possible even at the cost of increased disk space.

PHPCoord supports this mode of operation via the use of optional add-on "datapacks". These are additional Composer packages (8 available), each corresponding to a different region of the world:

- `php-coord/datapack-africa`
- `php-coord/datapack-antarctic`
- `php-coord/datapack-arctic`
- `php-coord/datapack-asia`
- `php-coord/datapack-europe`
- `php-coord/datapack-northamerica`
- `php-coord/datapack-oceania`
- `php-coord/datapack-southamerica`

Installing them provides access to the full-fidelity polygons for the relevant area of the world (at a scale of approx 1:15000000) and also any applicable grid files allowing PHPCoord to do the best possible job.

No configuration is necessary once installed.

1.4.2 The hard way

Each type of `Point` has methods you can invoke to run well-known algorithmic conversions on its coordinates.

They are listed in detail on the following pages.

Tip: The first parameter of every method is always a `CoordinateReferenceSystem` object representing the target CRS. For guidance on remaining parameters, please see a textbook as explaining them is far outside the scope of this documentation.

Geocentric points

Coordinate Frame rotation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->coordinateFrameRotation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference
); // returns a new GeocentricPoint
```

Geocentric translation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->geocentricTranslation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation
); // returns a new GeocentricPoint
```

Geographic <=> geocentric conversion

```
$point = GeocentricPoint::create(...);
$newPoint = $point->geographicGeocentric(
    Geographic $to
); // returns a new GeographicPoint
```

Molodensky-Badekas Coordinate Frame rotation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->coordinateFrameMolodenskyBadekas(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Length $ordinate1OfEvaluationPoint,
    Length $ordinate2OfEvaluationPoint,
    Length $ordinate3OfEvaluationPoint
); // returns a new GeocentricPoint
```

Molodensky-Badekas Position Vector transformation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->positionVectorMolodenskyBadekas(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Length $ordinate1OfEvaluationPoint,
    Length $ordinate2OfEvaluationPoint,
    Length $ordinate3OfEvaluationPoint
); // returns a new GeocentricPoint
```

Position Vector transformation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->positionVectorTransformation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference
); // returns a new GeocentricPoint
```

Time-dependent Coordinate Frame rotation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->timeDependentCoordinateFrameRotation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Rate $rateOfChangeOfXAxisTranslation,
    Rate $rateOfChangeOfYAxisTranslation,
    Rate $rateOfChangeOfZAxisTranslation,
    Rate $rateOfChangeOfXAxisRotation,
    Rate $rateOfChangeOfYAxisRotation,
    Rate $rateOfChangeOfZAxisRotation,
    Rate $rateOfChangeOfScaleDifference,
    Time $parameterReferenceEpoch
); // returns a new GeocentricPoint
```

Time-dependent Position Vector tranformation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->timeDependentPositionVectorTransformation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Rate $rateOfChangeOfXAxisTranslation,
    Rate $rateOfChangeOfYAxisTranslation,
    Rate $rateOfChangeOfZAxisTranslation,
    Rate $rateOfChangeOfXAxisRotation,
    Rate $rateOfChangeOfYAxisRotation,
    Rate $rateOfChangeOfZAxisRotation,
    Rate $rateOfChangeOfScaleDifference,
    Time $parameterReferenceEpoch
); // returns a new GeocentricPoint
```

Time-specific Coordinate Frame rotation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->timeSpecificCoordinateFrameRotation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Time $transformationReferenceEpoch
); // returns a new GeocentricPoint
```

Time-specific Position Vector transformation

```
$point = GeocentricPoint::create(...);
$newPoint = $point->timeSpecificPositionVectorTransformation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Time $transformationReferenceEpoch
); // returns a new GeocentricPoint
```

Geographic points

3D <=> 2D conversion

```
$point = GeographicPoint::create(...);
$newPoint = $point->threeDToTwoD(
    Geographic $to
); // returns a new GeographicPoint
```

Abridged Molodensky

```
$point = GeographicPoint::create(...);
$newPoint = $point->abridgedMolodensky(
    Geographic $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
```

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```
    Length $differenceInSemiMajorAxis,
    Scale $differenceInFlattening
); // returns a new GeographicPoint
```

Albers Equal Area

```
$point = GeographicPoint::create(...);
$newPoint = $point->albersEqualArea(
    Projected $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new ProjectedPoint
```

American Polyconic

```
$point = GeographicPoint::create(...);
$newPoint = $point->americanPolyconic(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Bonne

```
$point = GeographicPoint::create(...);
$newPoint = $point->bonne(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Bonne (south orientated)

```
$point = GeographicPoint::create(...);
$newPoint = $point->bonneSouthOrientated(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Cassini-Soldner

```
$point = GeographicPoint::create(...);
$newPoint = $point->cassiniSoldner(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Colombia Urban

```
$point = GeographicPoint::create(...);
$newPoint = $point->columbiaUrban(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing,
    Length $projectionPlaneOriginHeight
); // returns a new ProjectedPoint
```

Coordinate Frame rotation

```
$point = GeographicPoint::create(...);
$newPoint = $point->coordinateFrameRotation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference
); // returns a new GeographicPoint
```

Equal Earth

```
$point = GeographicPoint::create(...);
$newPoint = $point->equalEarth(
    Projected $to,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Equidistant Cylindrical

```
$point = GeographicPoint::create(...);
$newPoint = $point->equidistantCylindrical(
    Projected $to,
    Angle $latitudeOf1stStandardParallel,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

General polynomial

```
$point = GeographicPoint::create(...);
$newPoint = $point->generalPolynomial(
    Geographic $to,
    Angle $ordinate1OfEvaluationPointInSourceCRS,
    Angle $ordinate2OfEvaluationPointInSourceCRS,
    Angle $ordinate1OfEvaluationPointInTargetCRS,
    Angle $ordinate2OfEvaluationPointInTargetCRS,
    Scale $scalingFactorForSourceCRSCoordDifferences,
    Scale $scalingFactorForTargetCRSCoordDifferences,
    Scale $A0,
    Scale $B0,
    array $powerCoefficients
); // returns a new GeographicPoint
```

Geocentric translation

```
$point = GeographicPoint::create(...);
$newPoint = $point->geocentricTranslation(
    Geographic $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation
); // returns a new GeographicPoint
```

Geographic <=> geocentric conversion

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographicGeocentric(
    Geocentric $to
); // returns a new GeocentricPoint
```

Geographic2D offsets

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographic2DOffsets(
    Geographic $to,
    Angle $latitudeOffset,
    Angle $longitudeOffset
); // returns a new GeographicPoint
```

Geographic2D with Height Offsets

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographic2DWithHeightOffsets(
    Compound $to,
    Angle $latitudeOffset,
    Angle $longitudeOffset,
    Length $geoidUndulation
); // returns a new CompoundPoint
```

Geographic3D to Geographic2D+GravityRelatedHeight From Grid

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographic3DTo2DPlusGravityHeightFromGrid(
    Compound $to,
    GeographicGeoidHeightGrid $geoidHeightCorrectionModelFile
); // returns a new CompoundPoint
```

Geographic3D to Geographic2D+GravityRelatedHeight (OSGM-GB)

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographic3DTo2DPlusGravityHeightOSGM15(
    Compound $to,
    OSTNOSGM15Grid $geoidHeightCorrectionModelFile
); // returns a new CompoundPoint
```

Geographic3D to GravityRelatedHeight From Grid

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographic3DTo2DPlusGravityHeightFromGrid((
    Vertical $to,
    GeographicGeoidHeightGrid $geoidHeightCorrectionModelFile
); // returns a new VerticalPoint
```

Geographic3D to GravityRelatedHeight (OSGM-GB)

```
$point = GeographicPoint::create(...);
$newPoint = $point->geographic3DToGravityHeightOSGM15(
    Vertical $to,
    OSTNOSGM15Grid $geoidHeightCorrectionModelFile
); // returns a new VerticalPoint
```

Guam Projection

```
$point = GeographicPoint::create(...);
$newPoint = $point->guamProjection(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Hotine Oblique Mercator (variant A)

```
$point = GeographicPoint::create(...);
$newPoint = $point->obliqueMercatorHotineVariantA(
    Projected $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfProjectionCentre,
    Angle $azimuthOfInitialLine,
    Angle $angleFromRectifiedToSkewGrid,
    Scale $scaleFactorOnInitialLine,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Hotine Oblique Mercator (variant B)

```
$point = GeographicPoint::create(...);
$newPoint = $point->obliqueMercatorHotineVariantB(
    Projected $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfProjectionCentre,
    Angle $azimuthOfInitialLine,
    Angle $angleFromRectifiedToSkewGrid,
    Scale $scaleFactorOnInitialLine,
    Length $eastingAtProjectionCentre,
    Length $northingAtProjectionCentre
); // returns a new ProjectedPoint
```

Hyperbolic Cassini-Soldner

```
$point = GeographicPoint::create(...);
$newPoint = $point->hyperbolicCassiniSoldner(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Krovak

```
$point = GeographicPoint::create(...);
$newPoint = $point->krovak(
    Projected $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfOrigin,
    Angle $coLatitudeOfConeAxis,
    Angle $latitudeOfPseudoStandardParallel,
    Scale $scaleFactorOnPseudoStandardParallel,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Krovak Modified

```
$point = GeographicPoint::create(...);
$newPoint = $point->krovakModified(
    Projected $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfOrigin,
    Angle $coLatitudeOfConeAxis,
```

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```
    Angle $latitudeOfPseudoStandardParallel,
    Scale $scaleFactorOnPseudoStandardParallel,
    Length $falseEasting,
    Length $falseNorthing,
    Length $ordinate1OfEvaluationPoint,
    Length $ordinate2OfEvaluationPoint,
    Coefficient $C1,
    Coefficient $C2,
    Coefficient $C3,
    Coefficient $C4,
    Coefficient $C5,
    Coefficient $C6,
    Coefficient $C7,
    Coefficient $C8,
    Coefficient $C9,
    Coefficient $C10
); // returns a new ProjectedPoint
```

Laborde Oblique Mercator

```
$point = GeographicPoint::create(...);
$newPoint = $point->obliqueMercatorLaborde(
    Projected $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfProjectionCentre,
    Angle $azimuthOfInitialLine,
    Scale $scaleFactorOnInitialLine,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Lambert Azimuthal Equal Area (ellipsoidal)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertAzimuthalEqualArea(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Lambert Azimuthal Equal Area (spherical)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertAzimuthalEqualAreaSpherical(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Lambert Conic Conformal (1SP)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicConformal1SP(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Lambert Conic Conformal (1SP) variant B

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicConformal1SPVariantB(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new ProjectedPoint
```

Lambert Conic Conformal (west orientated)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicConformalWestOrientated(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Lambert Conic Conformal (2SP)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicConformal2SP(
    Projected $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new ProjectedPoint
```

Lambert Conic Conformal (2SP Michigan)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicConformal2SPMichigan(
    Projected $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin,
    Scale $ellipsoidScalingFactor
); // returns a new ProjectedPoint
```

Lambert Conic Conformal (2SP Belgium)

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicConformal2SPBelgium(
    Projected $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new ProjectedPoint
```

Lambert Conic Near-Conformal

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertConicNearConformal(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Lambert Cylindrical Equal Area

```
$point = GeographicPoint::create(...);
$newPoint = $point->lambertCylindricalEqualArea(
    Projected $to,
    Angle $latitudeOf1stStandardParallel,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Longitude rotation

```
$point = GeographicPoint::create(...);
$newPoint = $point->longitudeRotation(
    Geographic $to,
    Angle $longitudeOffset
); // returns a new GeographicPoint
```

Madrid to ED50 polynomial

```
$point = GeographicPoint::create(...);
$newPoint = $point->madridToED50Polynomial(
    Geographic2D $to,
    Scale $A0,
    Scale $A1,
    Scale $A2,
    Scale $A3,
    Angle $B00,
    Scale $B0,
    Scale $B1,
    Scale $B2,
    Scale $B3
); // returns a new GeographicPoint
```

Mercator (variant A)

```
$point = GeographicPoint::create(...);
$newPoint = $point->mercatorVariantA(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Mercator (variant B)

```
$point = GeographicPoint::create(...);
$newPoint = $point->mercatorVariantB(
    Projected $to,
    Angle $latitudeOf1stStandardParallel,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Modified Azimuthal Equidistant

```
$point = GeographicPoint::create(...);
$newPoint = $point->modifiedAzimuthalEquidistant(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Molodensky

```
$point = GeographicPoint::create(...);
$newPoint = $point->molodensky(
    Geographic $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Length $differenceInSemiMajorAxis,
    Scale $differenceInFlattening
); // returns a new GeographicPoint
```

Molodensky-Badekas Coordinate Frame rotation

```
$point = GeographicPoint::create(...);
$newPoint = $point->coordinateFrameMolodenskyBadekas(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Length $ordinate1OfEvaluationPoint,
    Length $ordinate2OfEvaluationPoint,
    Length $ordinate3OfEvaluationPoint
); // returns a new GeographicPoint
```

Molodensky-Badekas Position Vector transformation

```
$point = GeographicPoint::create(...);
$newPoint = $point->positionVectorMolodenskyBadekas(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Length $ordinate1OfEvaluationPoint,
    Length $ordinate2OfEvaluationPoint,
    Length $ordinate3OfEvaluationPoint
); // returns a new GeographicPoint
```

New Zealand Map Grid

```
$point = GeographicPoint::create(...);
$newPoint = $point->newZealandMapGrid(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Oblique Stereographic

```
$point = GeographicPoint::create(...);
$newPoint = $point->obliqueStereographic(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Offsets From Grid

```
$point = GeographicPoint::create(...);
$newPoint = $point->offsetsFromGrid(
    Geographic $to,
    GeographicGrid $offsetsFile,
    bool $inReverse
); // returns a new GeographicPoint
```

OSTN15 (Ordnance Survey National Transformation)

```
$point = GeographicPoint::create(...);
$newPoint = $point->OSTN15(
    Projected $to,
    OSTNOSGM15Grid $eastingAndNorthingDifferenceFile
); // returns a new ProjectedPoint
```

Polar Stereographic (variant A)

```
$point = GeographicPoint::create(...);
$newPoint = $point->polarStereographicVariantA(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Polar Stereographic (variant B)

```
$point = GeographicPoint::create(...);
$newPoint = $point->polarStereographicVariantB(
    Projected $to,
    Angle $latitudeOfStandardParallel,
    Angle $longitudeOfOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Polar Stereographic (variant C)

```
$point = GeographicPoint::create(...);
$newPoint = $point->polarStereographicVariantC(
    Projected $to,
    Angle $latitudeOfStandardParallel,
    Angle $longitudeOfOrigin,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new ProjectedPoint
```

Popular Visualisation Pseudo Mercator

```
$point = GeographicPoint::create(...);
$newPoint = $point->popularVisualisationPseudoMercator(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Position Vector transformation

```
$point = GeographicPoint::create(...);
$newPoint = $point->positionVectorTransformation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference
); // returns a new GeographicPoint
```

Reversible polynomial

```
$point = GeographicPoint::create(...);
$newPoint = $point->reversiblePolynomial(
    Geographic $to,
    Angle $ordinate1OfEvaluationPoint,
    Angle $ordinate2OfEvaluationPoint,
    Scale $scalingFactorForCoordDifferences,
    Scale $A0,
    Scale $B0,
    $powerCoefficients
); // returns a new GeographicPoint
```

Time-dependent Coordinate Frame rotation

```
$point = GeographicPoint::create(...);
$newPoint = $point->timeDependentCoordinateFrameRotation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Rate $rateOfChangeOfXAxisTranslation,
    Rate $rateOfChangeOfYAxisTranslation,
    Rate $rateOfChangeOfZAxisTranslation,
    Rate $rateOfChangeOfXAxisRotation,
    Rate $rateOfChangeOfYAxisRotation,
    Rate $rateOfChangeOfZAxisRotation,
    Rate $rateOfChangeOfScaleDifference,
    Time $parameterReferenceEpoch
); // returns a new GeographicPoint
```

Time-dependent Position Vector tranformation

```
$point = GeographicPoint::create(...);
$newPoint = $point->timeDependentPositionVectorTransformation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Rate $rateOfChangeOfXAxisTranslation,
    Rate $rateOfChangeOfYAxisTranslation,
```

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```
    Rate $rateOfChangeOfZAxisTranslation,
    Rate $rateOfChangeOfXAxisRotation,
    Rate $rateOfChangeOfYAxisRotation,
    Rate $rateOfChangeOfZAxisRotation,
    Rate $rateOfChangeOfScaleDifference,
    Time $parameterReferenceEpoch
); // returns a new GeographicPoint
```

Time-specific Coordinate Frame rotation

```
$point = GeographicPoint::create(...);
$newPoint = $point->timeSpecificCoordinateFrameRotation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Time $transformationReferenceEpoch
); // returns a new GeographicPoint
```

Time-specific Position Vector transformation

```
$point = GeographicPoint::create(...);
$newPoint = $point->timeSpecificPositionVectorTransformation(
    Geocentric $to,
    Length $xAxisTranslation,
    Length $yAxisTranslation,
    Length $zAxisTranslation,
    Angle $xAxisRotation,
    Angle $yAxisRotation,
    Angle $zAxisRotation,
    Scale $scaleDifference,
    Time $transformationReferenceEpoch
); // returns a new GeographicPoint
```

Transverse Mercator

```
$point = GeographicPoint::create(...);
$newPoint = $point->transverseMercator(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
```

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```
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Transverse Mercator Zoned Grid System

```
$point = GeographicPoint::create(...);
$newPoint = $point->transverseMercatorZonedGrid(
    Projected $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $initialLongitude,
    Angle $zoneWidth,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new ProjectedPoint
```

Projected points

Affine parametric transformation

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->affineParametricTransform(
    Projected $to,
    Length $A0,
    Coefficient $A1,
    Coefficient $A2,
    Length $B0,
    Coefficient $B1,
    Coefficient $B2,
    bool $inReverse
); // returns a new ProjectedPoint
```

Albers Equal Area

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->albersEqualArea(
    Geographic $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new GeographicPoint
```

American Polyconic

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->americanPolyconic(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Bonne

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->bonne(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Bonne (south orientated)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->bonneSouthOrientated(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Cartesian Grid Offsets

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->offsets(
    Projected $to,
    Length $eastingOffset,
    Length $northingOffset
); // returns a new ProjectedPoint
```

Cassini-Soldner

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->cassiniSoldner(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Colombia Urban

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->columbiaUrban(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing,
    Length $projectionPlaneOriginHeight
); // returns a new GeographicPoint
```

Complex polynomial

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->complexPolynomial(
    Projected $to,
    Length $ordinate1OfEvaluationPointInSourceCRS,
    Length $ordinate2OfEvaluationPointInSourceCRS,
    Length $ordinate1OfEvaluationPointInTargetCRS,
    Length $ordinate2OfEvaluationPointInTargetCRS,
    Scale $scalingFactorForSourceCRSCoordDifferences,
    Scale $scalingFactorForTargetCRSCoordDifferences,
    Scale $A1,
    Scale $A2,
    Scale $A3,
    Scale $A4,
    Scale $A5,
    Scale $A6,
    ?Scale $A7 = null,
    ?Scale $A8 = null
); // returns a new ProjectedPoint
```

Equal Earth

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->equalEarth(
    Geographic $to,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Equidistant Cylindrical

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->equidistantCylindrical(
    Geographic $to,
    Angle $latitudeOf1stStandardParallel,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

General polynomial

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->generalPolynomial(
    Projected $to,
    Length $ordinate1OfEvaluationPointInSourceCRS,
    Length $ordinate2OfEvaluationPointInSourceCRS,
    Length $ordinate1OfEvaluationPointInTargetCRS,
    Length $ordinate2OfEvaluationPointInTargetCRS,
    Scale $scalingFactorForSourceCRSCoordDifferences,
    Scale $scalingFactorForTargetCRSCoordDifferences,
    Scale $A0,
    Scale $B0,
    array $powerCoefficients
); // returns a new ProjectedPoint
```

Guam Projection

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->guamProjection(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Hotine Oblique Mercator (variant A)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->obliqueMercatorHotineVariantA(
    Geographic $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfProjectionCentre,
    Angle $azimuthOfInitialLine,
    Angle $angleFromRectifiedToSkewGrid,
    Scale $scaleFactorOnInitialLine,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Hotine Oblique Mercator (variant B)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->obliqueMercatorHotineVariantB(
    Geographic $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfProjectionCentre,
    Angle $azimuthOfInitialLine,
    Angle $angleFromRectifiedToSkewGrid,
    Scale $scaleFactorOnInitialLine,
    Length $eastingAtProjectionCentre,
    Length $northingAtProjectionCentre
); // returns a new GeographicPoint
```

Hyperbolic Cassini-Soldner

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->hyperbolicCassiniSoldner(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Krovak

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->krovak(
    Geographic $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfOrigin,
    Angle $coLatitudeOfConeAxis,
```

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```
    Angle $latitudeOfPseudoStandardParallel,
    Scale $scaleFactorOnPseudoStandardParallel,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Krovak Modified

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->krovakModified(
    Geographic $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfOrigin,
    Angle $coLatitudeOfConeAxis,
    Angle $latitudeOfPseudoStandardParallel,
    Scale $scaleFactorOnPseudoStandardParallel,
    Length $falseEasting,
    Length $falseNorthing,
    Length $ordinate1OfEvaluationPoint,
    Length $ordinate2OfEvaluationPoint,
    Coefficient $C1,
    Coefficient $C2,
    Coefficient $C3,
    Coefficient $C4,
    Coefficient $C5,
    Coefficient $C6,
    Coefficient $C7,
    Coefficient $C8,
    Coefficient $C9,
    Coefficient $C10
); // returns a new GeographicPoint
```

Laborde Oblique Mercator

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->obliqueMercatorLaborde(
    Geographic $to,
    Angle $latitudeOfProjectionCentre,
    Angle $longitudeOfProjectionCentre,
    Angle $azimuthOfInitialLine,
    Scale $scaleFactorOnInitialLine,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Lambert Azimuthal Equal Area (ellipsoidal)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertAzimuthalEqualArea(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Lambert Azimuthal Equal Area (spherical)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertAzimuthalEqualAreaSpherical(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Lambert Conic Conformal (1SP)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicConformal1SP(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Lambert Conic Conformal (1SP) variant B

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicConformal1SPVariantB(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new GeographicPoint
```

Lambert Conic Conformal (west orientated)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicConformalWestOrientated(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Lambert Conic Conformal (2SP)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicConformal2SP(
    Geographic $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new GeographicPoint
```

Lambert Conic Conformal (2SP Michigan)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicConformal2SPMichigan(
    Geographic $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin,
    Scale $ellipsoidScalingFactor
); // returns a new GeographicPoint
```

Lambert Conic Conformal (2SP Belgium)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicConformal2SPBelgium(
    Geographic $to,
    Angle $latitudeOfFalseOrigin,
    Angle $longitudeOfFalseOrigin,
    Angle $latitudeOf1stStandardParallel,
```

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```
    Angle $latitudeOf2ndStandardParallel,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new GeographicPoint
```

Lambert Conic Near-Conformal

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertConicNearConformal(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Lambert Cylindrical Equal Area

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->lambertCylindricalEqualArea(
    Geographic $to,
    Angle $latitudeOf1stStandardParallel,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Mercator (variant A)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->mercatorVariantA(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Mercator (variant B)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->mercatorVariantB(
    Geographic $to,
    Angle $latitudeOf1stStandardParallel,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Modified Azimuthal Equidistant

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->modifiedAzimuthalEquidistant(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

New Zealand Map Grid

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->newZealandMapGrid(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Oblique Stereographic

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->obliqueStereographic(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

OSTN15 (Ordnance Survey National Transformation)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->OSTN15(
    Geographic2D $to,
    OSTNOSGM15Grid $eastingAndNorthingDifferenceFile
); // returns a new GeographicPoint
```

Polar Stereographic (variant A)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->polarStereographicVariantA(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Polar Stereographic (variant B)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->polarStereographicVariantB(
    Geographic $to,
    Angle $latitudeOfStandardParallel,
    Angle $longitudeOfOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Polar Stereographic (variant C)

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->polarStereographicVariantC(
    Geographic $to,
    Angle $latitudeOfStandardParallel,
    Angle $longitudeOfOrigin,
    Length $eastingAtFalseOrigin,
    Length $northingAtFalseOrigin
); // returns a new GeographicPoint
```

Popular Visualisation Pseudo Mercator

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->popularVisualisationPseudoMercator(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Similarity transformation

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->similarityTransformation(
    Projected $to,
    Length $ordinate1OfEvaluationPointInTargetCRS,
    Length $ordinate2OfEvaluationPointInTargetCRS,
    Scale $scaleFactorForSourceCRSAxes,
    Angle $rotationAngleOfSourceCRSAxes,
    bool $inReverse
); // returns a new ProjectedPoint
```

Transverse Mercator

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->transverseMercator(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $longitudeOfNaturalOrigin,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Transverse Mercator Zoned Grid System

```
$point = ProjectedPoint::createFromEastingNorthing(...);
$newPoint = $point->transverseMercatorZonedGrid(
    Geographic $to,
    Angle $latitudeOfNaturalOrigin,
    Angle $initialLongitude,
    Angle $zoneWidth,
    Scale $scaleFactorAtNaturalOrigin,
    Length $falseEasting,
    Length $falseNorthing
); // returns a new GeographicPoint
```

Vertical points

Height <=> Depth reversal

```
$point = VerticalPoint::create(...);
$newPoint = $point->heightDepthReversal(
    Vertical $to
); // returns a new VerticalPoint
```

Offset

```
$point = VerticalPoint::create(...);
$newPoint = $point->offset(
    Vertical $to,
    Length $verticalOffset
); // returns a new VerticalPoint
```

Offset and Slope

```
$point = VerticalPoint::create(...);
$newPoint = $point->offsetAndSlope(
    Vertical $to,
    Angle $ordinate1OfEvaluationPoint,
    Angle $ordinate2OfEvaluationPoint,
    Length $verticalOffset,
    Angle $inclinationInLatitude,
    Angle $inclinationInLongitude,
    GeographicPoint $horizontalPoint
); // returns a new VerticalPoint
```

Offset From Grid File

```
$point = VerticalPoint::create(...);
$newPoint = $point->offsetFromGrid(
    Vertical $to,
    GeographicGeoidHeightGrid $offsetsFile,
    bool $inReverse,
    GeographicPoint $horizontalPoint
); // returns a new VerticalPoint
```

Zero-tide height to mean-tide height (EVRF2019)

```
$point = VerticalPoint::create(...);
$newPoint = $point->zeroTideHeightToMeanTideHeightEVRF2019(
    Vertical $to,
    bool $inReverse,
    GeographicPoint $horizontalPoint
); // returns a new VerticalPoint
```

Compound points

Geographic2D with Height Offsets

```
$point = CompoundPoint::create(...);
$newPoint = $point->geographic2DWithHeightOffsets(
    Geographic3D $to,
    Angle $latitudeOffset,
    Angle $longitudeOffset,
    Length $geoidUndulation
); // returns a new GeographicPoint
```

Geographic3D to Geographic2D+GravityRelatedHeight From Grid (geographic)

```
$point = CompoundPoint::create(...);
$newPoint = $point->geographic3DTo2DPlusGravityHeightFromGrid(
    Geographic3D $to,
    GeographicGeoidHeightGrid $geoidHeightCorrectionModelFile
); // returns a new GeographicPoint
```

Geographic3D to Geographic2D+GravityRelatedHeight (OSGM-GB)

```
$point = CompoundPoint::create(...);
$newPoint = $point->geographic3DTo2DPlusGravityHeightOSGM15(
    Geographic3D $to,
    OSTNOSGM15Grid $geoidHeightCorrectionModelFile
); // returns a new GeographicPoint
```

1.5 Distance calculations

PHPCoord can calculate the distance between two `Points` via the `calculateDistance()` method.

```
public function calculateDistance(
    Point $to,
): Length
```

- The distance between two `ProjectedPoints` is calculated via Pythagoras

- The distance between two `GeographicPoints` or two `GeocentricPoints` is calculated via Vincenty's formula
- The distance between two `VerticalPoints` is calculated as simple difference

Example

```
$from = GeographicPoint::create(...);
$to = GeographicPoint::create(...);
$distance = $from->calculateDistance($to);
```

1.6 Built in coordinate systems

Note: In ISO 19111 terminology, what most people refer to as a *Coordinate System* is actually called a *Coordinate Reference System* (or *CRS* for short), with the term *Coordinate System* being used to refer to the *axes used*. PHPCoord's actual code uses the ISO naming system, although this documentation uses the more common version.

Tip: A constant has been defined for each and every built in CRS, with supporting docblocks that match the contents of the following pages. These should be searchable/available for autocomplete from inside your favourite IDE.

Tip: You can also access the list of supported CRSs at runtime using `CoordinateReferenceSystem::getSupportedSRIDs()` or `CoordinateReferenceSystem::getSupportedSRIDsWithHelp()`

1.6.1 Geocentric

Tip: You can access the list of supported geocentric CRSs at runtime using `Geocentric::getSupportedSRIDs()` or `Geocentric::getSupportedSRIDsWithHelp()`

ATRF2014

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ATRF2014)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9307')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ATRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9307')
```

Australian Antarctic

Extent: Antarctica between 45°E and 136°E and between 142°E and 160°E - Australian sector

```
Geocentric::fromSRID(Geocentric::EPSG_AUSTRALIAN_ANTARCTIC)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4930')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_AUSTRALIAN_ANTARCTIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4930')
```

BBT2000

Extent: Austria and Italy - on or related to the Brenner Base Tunnel rail route from Innsbruck to Fortezza (Franzensfeste)

```
Geocentric::fromSRID(Geocentric::EPSG_BBT2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10473')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_BBT2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10473')
```

BDA2000

Extent: Bermuda - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_BDA2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4886')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_BDA2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4886')
```

BGS2005

Extent: Bulgaria - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_BGS2005)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7796')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_BGS2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7796')
```

Adopted 2010-07-29.

BH_ETRS89

Extent: Bosnia and Herzegovina

```
Geocentric::fromSRID(Geocentric::EPSG_BH_ETRS89)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10326')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_BH_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10326')
```

CGRS93

Extent: Cyprus - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_CGRS93)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6309')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CGRS93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6309')
```

CHTRS95

Extent: Liechtenstein; Switzerland

```
Geocentric::fromSRID(Geocentric::EPSG_CHTRS95)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4932')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CHTRS95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4932')
```

Referenced to ETRS89 at epoch 1993.0. For CRS used for topographic and cadastral purposes see CH1903+ (CRS code 4150).

CIGD11

Extent: Cayman Islands - onshore and offshore. Includes Grand Cayman, Little Cayman and Cayman Brac

```
Geocentric::fromSRID(Geocentric::EPSG_CIGD11)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6133')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CIGD11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6133')
```

CR-SIRGAS

Extent: Costa Rica - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_CR_SIRGAS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8905')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CR_SIRGAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8905')
```

Replaces CR05 (CRS code 5363) from April 2018.

CR05

Extent: Costa Rica - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_CR05)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5363')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CR05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5363')
```

Replaced by CR-SIRGAS (CRS code 8905) from April 2018.

Cadastre 1997

Extent: Mayotte - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_CADASTRE_1997)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4473')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CADASTRE_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4473')
```

China Geodetic Coordinate System 2000

Extent: China - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4479')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_
↪2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4479')
```

DB_REF

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Geocentric::fromSRID(Geocentric::EPSG_DB_REF)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5828')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_DB_REF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5828')
```

Geometric component of both DB_REF2003 and DB_REF2016 systems. Derived from ETRS89 through transformation code 5826.

DGN95

Extent: Indonesia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_DGN95)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4897')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_DGN95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4897')
```

DRUKREF 03

Extent: Bhutan

```
Geocentric::fromSRID(Geocentric::EPSG_DRUKREF_03)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5262')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_DRUKREF_03)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5262')
```

EST97

Extent: Estonia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_EST97)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4934')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_EST97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4934')
```

ETRF2000

Extent: Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7930')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7930')
```

Replaces ETRF97 (code 7928). On the publication of ETRF2005 the EUREF Technical Working Group recommended ETRF2000 be the realization of ETRS89. ETRF2014 and ETRF2020 (codes 8401 and 10569) are technically superior to all earlier realizations of ETRS89.

ETRF2000-PL

Extent: Poland - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF2000_PL)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9700')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF2000_PL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9700')
```

Adopted from 2012-12-01.

ETRF2005

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF2005)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8397')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8397')
```

On publication in 2007 of this CRS, the EUREF Technical Working Group recommended that ETRF2000 (EPSG code 7930) remained as the preferred realization of ETRS89. Replaced by ETRF2014 (code 8401).

ETRF2014

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF2014)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8401')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8401')
```

Replaces ETRF2005 (code 8397). ETRF2014 is technically superior to ETRF2000 but ETRF2000 and other previous realizations may be preferred for backward compatibility reasons. Differences between ETRF2014 and ETRF2000 can reach 7cm.

ETRF2020

Extent: Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF2020)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10569')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10569')
```

Replaces ETRF2014 (code 8401). ETRF2020 is technically superior to ETRF2000 but ETRF2000 and other previous realizations may be preferred for backward compatibility reasons. Differences between ETRF2020 and ETRF2000 can reach 7cm.

ETRF89

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF89)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7914')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7914')
```

Replaced by ETRF90 (code 7916).

ETRF90

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF90)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7916')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7916')
```

Replaces ETRF89 (code 7914). Replaced by ETRF91 (code 7918).

ETRF91

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF91)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7918')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF91)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7918')
```

Replaces ETRF90 (code 7916). Replaced by ETRF92 (code 7920).

ETRF92

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF92)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7920')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7920')
```

Replaces ETRF91 (code 7918). Replaced by ETRF93 (code 7922).

ETRF93

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF93)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7922')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7922')
```

Replaces ETRF92 (code 7920). Replaced by ETRF94 (code 7924).

ETRF94

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7924')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7924')
```

Replaces ETRF93 (code 7922). Replaced by ETRF96 (code 7926).

ETRF96

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7926')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7926')
```

Replaces ETRF94 (code 7924). Replaced by ETRF97 (code 7928).

ETRF97

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geocentric::fromSRID(Geocentric::EPSG_ETRF97)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7928')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRF97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7928')
```

Replaces ETRF96 (code 7926). Replaced by ETRF2000 (code 7930).

ETRS89

Extent: Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Geocentric::fromSRID(Geocentric::EPSG_ETRS89)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4936')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4936')
```

Has been realized through ETRF89, ETRF90, ETRF91, ETRF92, ETRF93, ETRF94, ETRF96, ETRF97, ETRF2000, ETRF2005 and ETRF2014. This 'ensemble' covers any or all of these realizations without distinction.

ETRS89/DREF91/2016

Extent: Germany - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ETRS89_DREF91_2016)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10282')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ETRS89_DREF91_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10282')
```

German national realization of ETRS89. Replaces ETRS89/DREF91 Realization 2002 from 2016-12-01.

FEH2010

Extent: Fehmarnbelt area of Denmark and Germany

```
Geocentric::fromSRID(Geocentric::EPSG_FEH2010)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5591')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_FEH2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5591')
```

Trans-national system created due to small (but unacceptable for engineering tolerance) differences between the German and Danish realisations of ETRS89.

GDA2020

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_GDA2020)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7842')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_GDA2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7842')
```

GDA94

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_GDA94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4938')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_GDA94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4938')
```

GDBD2009

Extent: Brunei Darussalam - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_GDBD2009)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5244')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_GDBD2009)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5244')
```

GDM2000

Extent: Malaysia - onshore and offshore. Includes peninsular Malayasia, Sabah and Sarawak

```
Geocentric::fromSRID(Geocentric::EPSG_GDM2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4920')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_GDM2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4920')
```

GR96

Extent: Greenland - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_GR96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4908')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_GR96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4908')
```

GSK-2011

Extent: Russian Federation - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_GSK_2011)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7681')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_GSK_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7681')
```

HTRS96

Extent: Croatia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_HTRS96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4888')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_HTRS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4888')
```

Hartebeesthoek94

Extent: Eswatini (Swaziland); Lesotho; South Africa - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_HARTEBEESTHOEK94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4940')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_HARTEBEESTHOEK94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4940')
```

Hong Kong Geodetic CS

Extent: China - Hong Kong - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_HONG_KONG_GEODETIC_CS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8425')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_HONG_KONG_GEODETIC_CS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8425')
```

Locally sometimes referred to as ITRF96 or WGS 84, these are not strictly correct.

IG05 Intermediate CRS

Extent: Israel - onshore; Palestine Territory - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_IG05_INTERMEDIATE_CRS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6981')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IG05_INTERMEDIATE_CRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6981')
```

Intermediate system not used for spatial referencing - use IGD05 (CRS code 6978).

IG05/12 Intermediate CRS

Extent: Israel - onshore; Palestine Territory - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_IG05_12_INTERMEDIATE_CRS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6988')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IG05_12_INTERMEDIATE_CRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6988')
```

Intermediate system not used for spatial referencing - use IGD05/12 (CRS code 6985).

IGD05

Extent: Israel - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_IGD05)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7134')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGD05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7134')
```

Replaced by IGD05/12 (CRS code 7137).

IGD05/12

Extent: Israel - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_IGD05_12)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7137')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGD05_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7137')
```

Replaces IGD05 (CRS code 7134).

IGM95

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geocentric::fromSRID(Geocentric::EPSG_IGM95)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4982')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGM95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4982')
```

Replaced by RDN2008 (CRS code 6704) from 2011-11-10.

IGRS

Extent: Iraq - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_IGRS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::3887')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3887')
```

IGS00

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGS00)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9004')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGS00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9004')
```

Adopted by the International GNSS Service (IGS) from 2001-12-02 through 2004-01-10. Replaces IGS97, replaced by IGb00 (CRS codes 9001 and 9007). For all practical purposes IGS00 is equivalent to ITRF2000.

IGS05

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGS05)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9010')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGS05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9010')
```

Adopted by the International GNSS Service (IGS) from 2006-11-05 through 2011-04-16. Replaces IGb00, replaced by IGS08 (CRS codes 9007 and 6834). For all practical purposes IGS05 is equivalent to ITRF2005.

IGS08

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGS08)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6934')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGS08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6934')
```

Used for products from International GNSS Service (IGS) analysis centres from 2011-04-17 through 2012-10-06. Replaces IGS05 (code 9010). Replaced by IGb08 (code 9015). For most practical purposes IGS08 is equivalent to ITRF2008.

IGS14

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGS14)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8227')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGS14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8227')
```

Used for products from the International GNSS Service (IGS) from 2017-01-29 to 2020-05-16. Replaces IGb08 (code 9015), replaced by IGb14 (code 9378). For most practical purposes IGS14 is equivalent to ITRF2014.

IGS20

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGS20)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10176')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGS20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10176')
```

Used for products from the International GNSS Service (IGS) from 2022-11-27. Replaces IGb14 (code 9378). For most practical purposes IGS20 is equivalent to ITRF2020.

IGS97

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGS97)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9001')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGS97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9001')
```

Adopted by the International GNSS Service (IGS) from 2000-06-04 through 2001-12-01. Replaced by IGS00 (CRS code 9004). For all practical purposes IGS97 is equivalent to ITRF97.

IGb00

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGB00)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9007')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGB00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9007')
```

Adopted by the International GNSS Service (IGS) from 2004-01-11 through 2006-11-04. Replaces IGS00, replaced by IGS05 (CRS codes 9004 and 9010). For all practical purposes IGb00 is equivalent to ITRF2000.

IGb08

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGB08)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9015')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGB08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9015')
```

Adopted by the International GNSS Service (IGS) from 2012-10-07 through 2017-01-28. Replaces IGS08, replaced by IGS14 (CRS codes 6934 and 8227). For all practical purposes IGb08 is equivalent to ITRF2008.

IGb14

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_IGB14)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9378')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IGB14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9378')
```

Used for products from the International GNSS Service (IGS) from 2020-05-17. Replaces IGS14 (code 8227), replaced by IGS20 (code 10176). For most practical purposes IGb14 is equivalent to ITRF2014.

IRENET95

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_IRENET95)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4942')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_IRENET95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4942')
```

ISN2004

Extent: Iceland - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ISN2004)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5322')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ISN2004)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5322')
```

Replaces ISN93 (CRS code 4944). Replaced by ISN2016 (CRS code 8084).

ISN2016

Extent: Iceland - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ISN2016)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8084')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ISN2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8084')
```

Replaces ISN2004 (CRS code 5322) from September 2017.

ISN93

Extent: Iceland - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ISN93)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4944')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ISN93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4944')
```

Replaced by ISN2004 (CRS code 5322).

ITRF2000

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4919')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4919')
```

Replaces ITRF97 (code 4918). Replaced by ITRF2005 (code 4896).

ITRF2005

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2005)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4896')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4896')
```

Replaces ITRF2000 (CRS code 4919). Replaced by ITRF2008 (CRS code 5332).

ITRF2008

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2008)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5332')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5332')
```

Replaces ITRF2005 (CRS code 4896). Replaced by ITRF2014 (CRS code 7789).

ITRF2014

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2014)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7789')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7789')
```

Replaces ITRF2008 (CRS code 5332). Replaced by ITRF2020 (CRS code 9988).

ITRF2020

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2020)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9988')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9988')
```

Replaces ITRF2014 (CRS code 7789).

ITRF88

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF88)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4910')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF88)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4910')
```

Replaced by ITRF89 (code 4911).

ITRF89

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF89)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4911')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4911')
```

Replaces ITRF88 (code 4910). Replaced by ITRF90 (code 4912).

ITRF90

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF90)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4912')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4912')
```

Replaces ITRF89 (code 4911). Replaced by ITRF91 (code 4913).

ITRF91

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF91)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4913')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF91)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4913')
```

Replaces ITRF90 (code 4912). Replaced by ITRF92 (code 4914).

ITRF92

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF92)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4914')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4914')
```

Replaces ITRF91 (code 4913). Replaced by ITRF93 (code 4915).

ITRF93

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF93)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4915')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4915')
```

Replaces ITRF92 (code 4914). Replaced by ITRF94 (code 4916).

ITRF94

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4916')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4916')
```

Replaces ITRF93 (code 4915). Replaced by ITRF96 (code 4917).

ITRF96

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4917')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4917')
```

Replaces ITRF94 (code 4916). Replaced by ITRF97 (code 4918).

ITRF97

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF97)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4918')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ITRF97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4918')
```

Replaces ITRF96 (code 4917). Replaced by ITRF2000 (code 4919).

JAD2001

Extent: Jamaica - onshore and offshore. Includes Morant Cays and Pedro Cays

```
Geocentric::fromSRID(Geocentric::EPSG_JAD2001)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4894')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_JAD2001)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4894')
```

JGD2000

Extent: Japan - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_JGD2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4946')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_JGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4946')
```

From 21st October 2011 replaced by JGD2011 (CRS code 6666).

JGD2011

Extent: Japan - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_JGD2011)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6666')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_JGD2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6666')
```

Replaces JGD2000 (CRS code 4946) with effect from 21st October 2011.

KGD2002

Extent: Republic of Korea (South Korea) - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_KGD2002)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4926')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_KGD2002)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4926')
```

KOSOVAREF01

Extent: Kosovo

```
Geocentric::fromSRID(Geocentric::EPSG_KOSOVAREF01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9138')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_KOSOVAREF01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9138')
```

KSA-GRF17

Extent: Saudi Arabia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_KSA_GRF17)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9331')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_KSA_GRF17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9331')
```

Kyrg-06

Extent: Kyrgyzstan

```
Geocentric::fromSRID(Geocentric::EPSG_KYRG_06)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7684')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_KYRG_06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7684')
```

LGD2006

Extent: Libya - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_LGD2006)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4899')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LGD2006)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4899')
```

LKS-2020

Extent: Latvia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_LKS_2020)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10303')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LKS_2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10303')
```

Replaces LKS-92 (CRS code 4948).

LKS-92

Extent: Latvia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_LKS_92)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4948')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LKS_92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4948')
```

Replaced by LKS-2020 (CRS code 10303).

LKS94

Extent: Lithuania - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_LKS94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4950')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LKS94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4950')
```

LTF2004(G)

Extent: France and Italy - on or related to the rail route from Lyon to Turin

```
Geocentric::fromSRID(Geocentric::EPSG_LTF2004_G)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9545')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LTF2004_G)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9545')
```

LUREF

Extent: Luxembourg

```
Geocentric::fromSRID(Geocentric::EPSG_LUREF)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9892')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LUREF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9892')
```

Lao 1993

Extent: Laos

```
Geocentric::fromSRID(Geocentric::EPSG_LAO_1993)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4990')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LAO_1993)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4990')
```

Replaced by Lao 1997. Lao 1993 coordinate values are within 1m of Lao 1997 values.

Lao 1997

Extent: Laos

```
Geocentric::fromSRID(Geocentric::EPSG_LAO_1997)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4992')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_LAO_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4992')
```

Replaces Lao 1993. Lao 1993 coordinate values are within 1m of Lao 1997 values.

MACARIO SOLIS

Extent: Panama - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MACARIO_SOLIS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5368')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MACARIO_SOLIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5368')
```

Densification of SIRGAS 2000 within Panama.

MAGNA-SIRGAS

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Geocentric::fromSRID(Geocentric::EPSG_MAGNA_SIRGAS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4996')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MAGNA_SIRGAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4996')
```

For high accuracy purposes replaced by MAGNA-SIRGAS 2018 (code 20044).

MAGNA-SIRGAS 2018

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Geocentric::fromSRID(Geocentric::EPSG_MAGNA_SIRGAS_2018)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::20044')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MAGNA_SIRGAS_2018)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20044')
```

MARGEN

Extent: Bolivia

```
Geocentric::fromSRID(Geocentric::EPSG_MARGEN)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5352')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MARGEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5352')
```

MGI

Extent: Austria

```
Geocentric::fromSRID(Geocentric::EPSG_MGI)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9266')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MGI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9266')
```

MOLDREF99

Extent: Moldova

```
Geocentric::fromSRID(Geocentric::EPSG_MOLDREF99)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4000')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MOLDREF99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4000')
```

MTRF-2000

Extent: Saudi Arabia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MTRF_2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8816')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MTRF_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8816')
```

Macao 2008

Extent: China - Macao - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MACAO_2008)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8429')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MACAO_2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8429')
```

Locally sometimes referred to as ITRF2005, this is not strictly correct.

Mauritania 1999

Extent: Mauritania - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MAURITANIA_1999)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4924')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MAURITANIA_1999)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4924')
```

Mexico ITRF2008

Extent: Mexico - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MEXICO_ITRF2008)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6363')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MEXICO_ITRF2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6363')
```

Replaces Mexico ITRF92 (CRS code 4481) from December 2010.

Mexico ITRF92

Extent: Mexico - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MEXICO_ITRF92)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4481')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MEXICO_ITRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4481')
```

Replaced by Mexico ITRF2008 (CRS code 6363) from December 2010.

Moznet

Extent: Mozambique - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_MOZNET)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4952')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_MOZNET)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4952')
```

NAD83(2011)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_2011)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6317')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6317')
```

Replaces NAD83(CORS96) and NAD83(NSRS2007) (CRS codes 6781 and 4892).

NAD83(CORS96)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6781')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CORS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6781')
```

Replaced by NAD83(2011) (CRS code 6317) from 2011-09-06.

NAD83(CSRS)

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4954')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4954')
```

Includes all versions of NAD83(CSRS) from v2 [CSRS98] onwards without specific identification. As such it has an accuracy of approximately 1m.

NAD83(CSRS)v2

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V2)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8233')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8233')
```

Adopted by the Canadian federal government from 1998-01-01 and by the provincial governments of British Columbia, New Brunswick, Prince Edward Island and Quebec. Replaces NAD83(CSRS96). Replaced by NAD83(CSRS)v3 (CRS code 8238).

NAD83(CSRS)v3

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V3)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8238')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8238')
```

Adopted by the Canadian federal government from 1999-01-01 and by the provincial governments of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario and Saskatchewan. Replaces NAD83(CSRS)v2. Replaced by NAD83(CSRS)v4.

NAD83(CSRS)v4

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V4)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8242')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8242')
```

Adopted by the Canadian federal government from 2002-01-01 and by the provincial governments of Alberta and British Columbia. Replaces NAD83(CSRS)v3. Replaced by NAD83(CSRS)v5 (CRS code 8247).

NAD83(CSRS)v5

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V5)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8247')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8247')
```

Adopted by the Canadian federal government from 2006-01-01. Replaces NAD83(CSRS)v4. Replaced by NAD83(CSRS)v6 (CRS code 8250).

NAD83(CSRS)v6

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V6)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8250')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8250')
```

Adopted by the Canadian federal government from 2010-01-01 and the provincial governments of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario and Prince Edward Island. Replaces NAD83(CSRS)v5. Replaced by NAD83(CSRS)v7.

NAD83(CSRS)v7

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V7)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8253')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8253')
```

Adopted by the Canadian federal government from 2017-05-01 and the provincial government of Alberta. Replaces NAD83(CSRS)v6. Replaced by NAD83(CSRS)v8.

NAD83(CSRS)v8

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V8)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10412')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS_V8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10412')
```

Adopted by the Canadian federal government from 2022-11-27. Replaces NAD83(CSRS)v7.

NAD83(CSRS96)

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8230')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_CSRS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8230')
```

Adopted by the Canadian federal government from 1996-01-01. Replaced by NAD83(CSRS)v2 (CRS code 8233).

NAD83(FBN)

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands - onshore. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - CONUS - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming - onshore plus Gulf of Mexico offshore continental shelf (GoM OCS). US Virgin Islands - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_FBN)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8541')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_FBN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8541')
```

In Continental US, American Samoa, Guam/NMI and PRVI, replaces NAD83(HARN). In Continental US, Puerto Rico and US Virgin Islands replaced by NAD83(NSRS2007). In American Samoa and Hawaii replaced by NAD83(PA11). In Guam/NMI replaced by NAD83(MA11).

NAD83(HARN Corrected)

Extent: Puerto Rico and US Virgin Islands - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_HARN_CORRECTED)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8543')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_HARN_CORRECTED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8543')
```

In PRVI replaces NAD83(HARN) = NAD83(1993 PRVI) to correct errors. Replaced by NAD83(FBN) = NAD83(2002 PRVI).

NAD83(HARN)

Extent: American Samoa - onshore - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - onshore Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming; offshore Gulf of Mexico continental shelf (GoM OCS). US Virgin Islands - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_HARN)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4956')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_HARN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4956')
```

In CONUS and Hawaii replaces NAD83 for applications with an accuracy of better than 1m. Replaced by NAD83(FBN) in CONUS, American Samoa and Guam/NMI, by NAD83(NSRS2007) in Alaska, by NAD83(PA11) in Hawaii and by NAD83(HARN Corrected) in PRVI.

NAD83(MA11)

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_MA11)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6323')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_MA11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6323')
```

Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam.

NAD83(MARP00)

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_MARP00)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9070')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_MARP00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9070')
```

Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam. Replaced by NAD83(MA11).

NAD83(NSRS2007)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_NSRS2007)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4892')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_NSRS2007)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4892')
```

Replaces NAD83(HARN) and NAD83(FBN). Replaced by NAD83(2011).

NAD83(PA11)

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_PA11)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6320')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_PA11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6320')
```

Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa.

NAD83(PACP00)

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_PACP00)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9073')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NAD83_PACP00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9073')
```

Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa. Replaced by NAD83(PA11).

NZGD2000

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Geocentric::fromSRID(Geocentric::EPSG_NZGD2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4958')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_NZGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4958')
```

ONGD14

Extent: Oman - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ONGD14)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7371')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ONGD14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7371')
```

In Oman replaces usage of WGS 84 (G873) from 2014. Replaced by ONGD17 (CRS code 9292) from March 2019.

ONGD17

Extent: Oman - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_ONGD17)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9292')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ONGD17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9292')
```

Replaces ONGD14 (CRS code 7371) from March 2019.

PNG94

Extent: Papua New Guinea - onshore and offshore. Includes Bismark archipelago, Louisade archipelago, Admiralty Islands, d'Entrecasteaux Islands, northern Solomon Islands, Trobriand Islands, New Britain, New Ireland, Woodlark, and associated islands

```
Geocentric::fromSRID(Geocentric::EPSG_PNG94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5544')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PNG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5544')
```

POSGAR 2007

Extent: Argentina - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_POSGAR_2007)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5341')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_POSGAR_2007)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5341')
```

Adopted as official replacement of POSGAR 94 in May 2009. Also replaces de facto use of POSGAR 98 as of same date.

POSGAR 94

Extent: Argentina - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_POSGAR_94)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4928')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_POSGAR_94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4928')
```

Legally adopted in May 1997. Replaced by POSGAR 98 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 in May 2009.

POSGAR 98

Extent: Argentina - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_POSGAR_98)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4960')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_POSGAR_98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4960')
```

Densification in Argentina of SIRGAS 1995. Until May 2009 replaced POSGAR 94 for many practical purposes (but not as the legal system). POSGAR 94 was officially replaced by POSGAR 2007 in May 2009.

PRS92

Extent: Philippines - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_PRS92)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4994')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PRS92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4994')
```

PTRA08

Extent: Portugal - Azores and Madeira island groups and surrounding EEZ - Flores, Corvo; Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel, Santa Maria; Madeira, Porto Santo, Desertas; Selvagens

```
Geocentric::fromSRID(Geocentric::EPSG_PTRA08)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5011')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PTRA08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5011')
```

PZ-90

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_PZ_90)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4922')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PZ_90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4922')
```

Replaced by PZ-90.02 from 2007-09-20.

PZ-90.02

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_PZ_90_02)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7677')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PZ_90_02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7677')
```

Replaces PZ-90 (CRS code 4922) from 2007-09-20. Replaced by PZ-90.11 (CRS code 7679) from 2014-01-15.

PZ-90.11

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_PZ_90_11)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7679')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PZ_90_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7679')
```

Replaces PZ-90.02 (CRS code 7677) from 2014-01-15.

Peru96

Extent: Peru - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_PERU96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5369')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_PERU96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5369')
```

Densification of SIRGAS95 in Peru.

RDN2008

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geocentric::fromSRID(Geocentric::EPSG_RDN2008)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::6704')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RDN2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6704')
```

Replaces IGM95 (CRS code 4982) from 2011-11-10.

REDGEOMIN

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geocentric::fromSRID(Geocentric::EPSG_REDGEOMIN)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9694')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_REDGEOMIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9694')
```

REGCAN95

Extent: Spain - Canary Islands onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_REGCAN95)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4079')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_REGCAN95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4079')
```

REGVEN

Extent: Venezuela - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_REGVEN)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4962')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_REGVEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4962')
```

Densification in Venezuela of SIRGAS.

RGAF09

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geocentric::fromSRID(Geocentric::EPSG_RGAF09)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5487')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGAF09)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5487')
```

Replaces RRAF 1991 (CRS code 4556).

RGF93 v1

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geocentric::fromSRID(Geocentric::EPSG_RGF93_V1)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4964')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGF93_V1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4964')
```

Replaced by RGF93 v2 (CRS code 9775) from 2010-06-18.

RGF93 v2

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geocentric::fromSRID(Geocentric::EPSG_RGF93_V2)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9775')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGF93_V2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9775')
```

Replaces RGF93 v1 (CRS code 4964) from 2010-06-18. Replaced by RGF93 v2b (CRS code 9780) from 2021-01-05.

RGF93 v2b

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geocentric::fromSRID(Geocentric::EPSG_RGF93_V2B)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9780')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGF93_V2B)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9780')
```

Replaces RGF93 v2 (CRS code 9775) from 2021-01-05.

RGFG95

Extent: French Guiana - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RGFG95)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4966')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGFG95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4966')
```

RGM04

Extent: Mayotte - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RGM04)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4468')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGM04)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4468')
```

RGNC15

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geocentric::fromSRID(Geocentric::EPSG_RGNC15)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10308')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGNC15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10308')
```

Replaces RGNC91-93 (CRS code 4906).

RGNC91-93

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geocentric::fromSRID(Geocentric::EPSG_RGNC91_93)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4906')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGNC91_93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4906')
```

Replaces older local geographic 2D systems IGN56 Lifou, IGN72 Grande Terre, ST87 Ouvea, IGN53 Mare, ST84 Ile des Pins, ST71 Belep and NEA74 Noumea (CRS codes 4633, 4641-44, 4662 and 4750). Replaced by RGNC15 (CRS code 10308).

RGPF

Extent: French Polynesia - onshore and offshore. Includes Society archipelago, Tuamotu archipelago, Marquesas Islands, Gambier Islands and Austral Islands

```
Geocentric::fromSRID(Geocentric::EPSG_RGPF)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4998')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGPF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4998')
```

RGR92

Extent: Reunion - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RGR92)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4970')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGR92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4970')
```

RGRDC 2005

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RGRDC_2005)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4039')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGRDC_2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4039')
```

RGSH2020

Extent: Algeria - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RGSH2020)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10297')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGSH2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10297')
```

RGSPM06

Extent: St Pierre and Miquelon - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RGSPM06)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4465')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGSPM06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4465')
```

RGTAAF07

Extent: French Southern Territories - onshore and offshore: Amsterdam and St Paul, Crozet, Europa and Kerguelen. Antarctica - Adelie Land coastal area

```
Geocentric::fromSRID(Geocentric::EPSG_RGTAAF07)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7071')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGTAAF07)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7071')
```

RGWF96

Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Geocentric::fromSRID(Geocentric::EPSG_RGWF96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8898')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RGWF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8898')
```

RRAF 1991

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geocentric::fromSRID(Geocentric::EPSG_RRAF_1991)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4556')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RRAF_1991)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4556')
```

Replaces older local geographic 2D systems Fort Marigot and Sainte Anne CRS (codes 4621-22) in Guadeloupe and Fort Desaix (CRS code 4625) in Martinique. Replaced by RGAF09 (CRS code 5487).

RSAO13

Extent: Angola - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_RSAO13)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8697')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RSAO13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8697')
```

RSRGD2000

Extent: Antarctica - Ross Sea Region - nominally between 160°E and 150°W but includes buffer on eastern hemisphere margin to include Transantarctic Mountains

```
Geocentric::fromSRID(Geocentric::EPSG_RSRGD2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4884')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_RSRGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4884')
```

SHGD2015

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_SHGD2015)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7884')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SHGD2015)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7884')
```

SIRGAS 1995

Extent: South America - onshore and offshore. Ecuador (mainland and Galapagos) - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_1995)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4974')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4974')
```

Replaced by SIRGAS 2000 (CRS code 4988).

SIRGAS 2000

Extent: Latin America - Central America and South America - onshore and offshore. Brazil - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4988')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4988')
```

Replaces SIRGAS 1995 system (CRS code 4974) for South America; expands SIRGAS to Central America.

SIRGAS-CON DGF00P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF00P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8915')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF00P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8915')
```

Replaced by SIRGAS-CON DGF01P01 (CRS code 8917).

SIRGAS-CON DGF01P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF01P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8917')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF01P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8917')
```

Replaces SIRGAS-CON DGF00P01 (CRS code 8915). Replaced by SIRGAS-CON DGF01P02 (CRS code 8919).

SIRGAS-CON DGF01P02

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF01P02)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8919')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF01P02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8919')
```

Replaces SIRGAS-CON DGF01P01 (CRS code 8917). Replaced by SIRGAS-CON DGF02P01 (CRS code 8921).

SIRGAS-CON DGF02P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF02P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8921')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF02P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8921')
```

Replaces SIRGAS-CON DGF01P02 (CRS code 8919). Replaced by SIRGAS-CON DGF04P01 (CRS code 8923).

SIRGAS-CON DGF04P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF04P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8923')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF04P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8923')
```

Replaces SIRGAS-CON DGF02P01 (CRS code 8921). Replaced by SIRGAS-CON DGF05P01 (CRS code 8925).

SIRGAS-CON DGF05P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF05P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8925')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF05P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8925')
```

Replaces SIRGAS-CON DGF04P01 (CRS code 8923). Replaced by SIRGAS-CON DGF06P01 (CRS code 8927).

SIRGAS-CON DGF06P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF06P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8927')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF06P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8927')
```

Replaces SIRGAS-CON DGF05P01 (CRS code 8925). Replaced by SIRGAS-CON DGF07P01 (CRS code 8929).

SIRGAS-CON DGF07P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF07P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8929')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF07P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8929')
```

Replaces SIRGAS-CON DGF06P01 (CRS code 8927). Replaced by SIRGAS-CON DGF08P01 (CRS code 8931).

SIRGAS-CON DGF08P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF08P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8931')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF08P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8931')
```

Replaces SIRGAS-CON DGF07P01 (CRS code 8929). Replaced by SIRGAS-CON SIR09P01 (CRS code 8933).

SIRGAS-CON SIR09P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR09P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8933')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR09P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8933')
```

Replaces SIRGAS-CON DGF08P01 (CRS code 8931). Replaced by SIRGAS-CON SIR10P01 (CRS code 8935).

SIRGAS-CON SIR10P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR10P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8935')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR10P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8935')
```

Replaces SIRGAS-CON SIR09P01 (CRS code 8933). Replaced by SIRGAS-CON SIR11P01 (CRS code 8937).

SIRGAS-CON SIR11P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR11P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8937')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR11P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8937')
```

Replaces SIRGAS-CON SIR10P01 (CRS code 8935). Replaced by SIRGAS-CON SIR13P01 (CRS code 8939).

SIRGAS-CON SIR13P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR13P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8939')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR13P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8939')
```

Replaces SIRGAS-CON SIR11P01 (CRS code 8937). Replaced by SIRGAS-CON SIR14P01 (CRS code 8941).

SIRGAS-CON SIR14P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR14P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8941')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR14P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8941')
```

Replaces SIRGAS-CON SIR13P01 (CRS code 8939). Replaced by SIRGAS-CON SIR15P01 (CRS code 8943).

SIRGAS-CON SIR15P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR15P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8943')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR15P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8943')
```

Replaces SIRGAS-CON SIR14P01 (CRS code 8941). Replaced by SIRGAS-CON SIR17P01 (CRS code 8945).

SIRGAS-CON SIR17P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR17P01)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8945')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR17P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8945')
```

Replaces SIRGAS-CON SIR15P01 (CRS code 8943).

SIRGAS-Chile 2002

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2002)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5358')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2002)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5358')
```

Densification of SIRGAS 2000 within Chile. Replaced by SIRGAS-Chile 2010 (CRS code 8947).

SIRGAS-Chile 2010

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2010)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8947')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8947')
```

Densification of SIRGAS-CON within Chile at epoch 2010.00. Replaces SIRGAS-Chile 2002 (CRS code 5358), replaced by SIRGAS-Chile 2013 (CRS code 9146) due to significant tectonic deformation.

SIRGAS-Chile 2013

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2013)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9146')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2013)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9146')
```

Densification of SIRGAS-CON within Chile at epoch 2013.00. Replaces SIRGAS-Chile 2010 (CRS code 8947), replaced by SIRGAS-Chile 2016 (CRS code 9151) due to significant tectonic deformation.

SIRGAS-Chile 2016

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2016)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9151')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9151')
```

Densification of SIRGAS-CON within Chile at epoch 2016.00. Replaces SIRGAS-Chile 2013 (CRS code 9146), replaced by SIRGAS-Chile 2021 (CRS code 20039) due to significant tectonic deformation.

SIRGAS-Chile 2021

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2021)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::20039')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2021)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20039')
```

Densification of SIRGAS-CON within Chile at epoch 2021.00. Replaces SIRGAS-Chile 2016 (CRS code 9151) due to significant tectonic deformation.

SIRGAS-ROU98

Extent: Uruguay - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_ROU98)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5379')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_ROU98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5379')
```

SIRGAS_ES2007.8

Extent: El Salvador - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_ES2007_8)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5391')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SIRGAS_ES2007_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5391')
```

Densification of SIRGAS 2000 within El Salvador.

SRB_ETRS89

Extent: Serbia including Vojvodina

```
Geocentric::fromSRID(Geocentric::EPSG_SRB_ETRS89)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::8683')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SRB_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8683')
```

Replaces SREF98 (CRS code 4073).

SREF98

Extent: Serbia including Vojvodina

```
Geocentric::fromSRID(Geocentric::EPSG_SREF98)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4073')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SREF98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4073')
```

Replaced by SRB_ETRS89 (STRS00) (CRS code 8683).

SRGI2013

Extent: Indonesia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SRGI2013)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9468')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SRGI2013)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9468')
```

Supports horizontal component of national horizontal control network (JKHN). Adopted 2013-10-11. Replaces DGN95 and all older systems.

SWEREF99

Extent: Sweden - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SWEREF99)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4976')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SWEREF99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4976')
```

Slovenia 1996

Extent: Slovenia - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_SLOVENIA_1996)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4882')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_SLOVENIA_1996)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4882')
```

St. Helena Tritan

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geocentric::fromSRID(Geocentric::EPSG_ST_HELENA_TRITAN)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7879')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_ST_HELENA_TRITAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7879')
```

Replaced by SHGD2015 (CRS code 7884) from 2015.

TGD2005

Extent: Tonga - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_TGD2005)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5884')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_TGD2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5884')
```

TUREF

Extent: Türkiye (Turkey) - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_TUREF)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5250')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_TUREF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5250')
```

TWD97

Extent: Taiwan, Republic of China - onshore and offshore - Taiwan Island, Penghu (Pescadores) Islands

```
Geocentric::fromSRID(Geocentric::EPSG_TWD97)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::3822')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_TWD97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3822')
```

UCS-2000

Extent: Ukraine - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_UCS_2000)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::5558')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_UCS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5558')
```

Adopted 1st January 2007. Defined through transformation code 7817 at epoch 2005.0.

WGS 66

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_66)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4890')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_66)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4890')
```

Replaced by WGS 72.

WGS 72

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_72)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4984')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4984')
```

Replaced by WGS 84.

WGS 72BE

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_72BE)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4986')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_72BE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4986')
```

Broadcast ephemeris. Replaced by WGS 84.

WGS 84

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4978')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4978')
```

WGS 84 (G1150)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1150)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7660')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G1150)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7660')
```

Replaces WGS 84 (G873) (CRS code 7658) from 2002-01-20. Replaced by WGS 84 (G1674) (CRS code 7662) from 2012-02-08.

WGS 84 (G1674)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1674)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7662')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G1674)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7662')
```

Replaces WGS 84 (G1150) (CRS code 7660) from 2012-02-08. Replaced by WGS 84 (G1762) (CRS code 7664) from 2013-10-16.

WGS 84 (G1762)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1762)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7664')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G1762)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7664')
```

Replaces WGS 84 (G1674) (CRS code 7662) from 2013-10-16. Redesignated WGS 84 (G1762') in 2015 after changes to 7 NGA tracking station locations and antennas. Replaced by WGS 84 (G2139) (CRS code 9753) from 2021-01-03.

WGS 84 (G2139)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::9753')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G2139)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9753')
```

Replaces WGS 84 (G1762) (CRS code 7664) from 2021-01-03. Replaced by WGS 84 (G2296) (CRS code 10604) from 2024-01-07.

WGS 84 (G2296)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2296)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::10604')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G2296)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10604')
```

Replaces WGS 84 (G2139) (CRS code 9753) from 2024-01-07.

WGS 84 (G730)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G730)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7656')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G730)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7656')
```

Replaces WGS 84 (Transit) (CRS code 7815) from 1994-06-29. Replaced by WGS84 (G873) (CRS code 7658) from 1997-01-29.

WGS 84 (G873)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G873)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7658')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_G873)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7658')
```

Replaces WGS 84 (G730) (CRS code 7656) from 1997-01-29. Replaced by WGS 84 (G1150) (CRS code 7660) from 2002-01-20.

WGS 84 (Transit)

Extent: World

```
Geocentric::fromSRID(Geocentric::EPSG_WGS_84_TRANSIT)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::7815')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_WGS_84_TRANSIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7815')
```

Replaced by WGS84 (G730) (CRS code 7656) from 1994-06-29.

Yemen NGN96

Extent: Yemen - onshore and offshore

```
Geocentric::fromSRID(Geocentric::EPSG_YEMEN_NGN96)
Geocentric::fromSRID('urn:ogc:def:crs:EPSG::4980')
CoordinateReferenceSystem::fromSRID(Geocentric::EPSG_YEMEN_NGN96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4980')
```

1.6.2 Geographic 2D

Tip: You can access the list of supported geographic 2D CRSs at runtime using `Geographic2D::getSupportedSRIDs()` or `Geographic2D::getSupportedSRIDsWithHelp()`

AGD66

Extent: Australia - onshore and offshore. Papua New Guinea - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_AGD66)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4202')
Geographic::fromSRID(Geographic2D::EPSG_AGD66)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4202')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AGD66)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4202')
```

AGD84

Extent: Australia - Queensland, South Australia, Western Australia, federal areas offshore west of 129°E

```
Geographic2D::fromSRID(Geographic2D::EPSG_AGD84)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4203')
Geographic::fromSRID(Geographic2D::EPSG_AGD84)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4203')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AGD84)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4203')
```

National system replacing AGD66 but officially adopted only in Queensland, South Australia and Western Australia. Replaced by GDA94.

ATF (Paris)

Extent: France - mainland onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ATF_PARIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4901')
Geographic::fromSRID(Geographic2D::EPSG_ATF_PARIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4901')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ATF_PARIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4901')
```

ProjCRS covering all mainland France based on this datum used Bonne projection. In Alsace, suspected to be an extension of core network based on transformation of old German system.

ATRF2014

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ATRF2014)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9309')
Geographic::fromSRID(Geographic2D::EPSG_ATRF2014)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9309')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ATRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9309')
```

ATS77

Extent: Canada - New Brunswick; Nova Scotia; Prince Edward Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_ATS77)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4122')
Geographic::fromSRID(Geographic2D::EPSG_ATS77)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4122')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ATS77)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4122')
```

In use from 1979. To be phased out in late 1990's.

AbInvA96_2020-IRF

Extent: United Kingdom (UK) - on or related to the A96 highway from Aberdeen to Inverness

```
Geographic2D::fromSRID(Geographic2D::EPSG_ABINVA96_2020_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9384')
Geographic::fromSRID(Geographic2D::EPSG_ABINVA96_2020_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9384')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ABINVA96_2020_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9384')
```

Intermediate CRS created in 2020 to assist the emulation of the ETRS89 / AbInvA96_2020 SnakeGrid projected CRS through transformation ETRS89 to AbInvA96_2020-IRF (1) (code 9386) used in conjunction with the AbInvA96_2020-TM map projection (code 9385).

Abidjan 1987

Extent: Côte d'Ivoire (Ivory Coast) - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ABIDJAN_1987)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4143')
Geographic::fromSRID(Geographic2D::EPSG_ABIDJAN_1987)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4143')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ABIDJAN_1987)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4143')
```

Replaces Locodjo 1965 (EPSG code 4142).

Accra

Extent: Ghana - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ACCRA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4168')
Geographic::fromSRID(Geographic2D::EPSG_ACCRA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4168')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ACCRA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4168')
```

Ellipsoid semi-major axis (a)=20926201 exactly Gold Coast feet. Replaced by Leigon (code 4250) in 1978.

Aden 1925

Extent: Yemen - South Yemen onshore mainland

```
Geographic2D::fromSRID(Geographic2D::EPSG_ADEN_1925)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6881')
Geographic::fromSRID(Geographic2D::EPSG_ADEN_1925)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6881')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ADEN_1925)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6881')
```

Adindan

Extent: Eritrea; Ethiopia; South Sudan; Sudan

```
Geographic2D::fromSRID(Geographic2D::EPSG_ADINDAN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4201')
Geographic::fromSRID(Geographic2D::EPSG_ADINDAN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4201')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ADINDAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4201')
```

The 12th parallel traverse of 1966-70 (geogCRS Point 58, code 4620) is connected to the Blue Nile 1958 network in western Sudan. This has given rise to misconceptions that the Blue Nile 1958 network is used in west Africa.

Afgooye

Extent: Somalia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_AFGOOYE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4205')
Geographic::fromSRID(Geographic2D::EPSG_AFGOOYE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4205')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AFGOOYE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4205')
```

Agadez

Extent: Niger

```
Geographic2D::fromSRID(Geographic2D::EPSG_AGADEZ)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4206')
Geographic::fromSRID(Geographic2D::EPSG_AGADEZ)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4206')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AGADEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4206')
```

Ain el Abd

Extent: Bahrain, Kuwait and Saudi Arabia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4204')
Geographic::fromSRID(Geographic2D::EPSG_AIN_EL_ABD)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4204')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AIN_EL_ABD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4204')
```

Albanian 1987

Extent: Albania - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ALBANIAN_1987)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4191')
Geographic::fromSRID(Geographic2D::EPSG_ALBANIAN_1987)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4191')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ALBANIAN_1987)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4191')
```

Replaced by KRGJSH-2010.

American Samoa 1962

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega and Ta'u islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_AMERICAN_SAMOA_1962)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4169')
Geographic::fromSRID(Geographic2D::EPSG_AMERICAN_SAMOA_1962)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4169')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AMERICAN_SAMOA_1962)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4169')
```

Amersfoort

Extent: Netherlands - onshore, including Waddenzee, Dutch Wadden Islands and 12-mile offshore coastal zone

```
Geographic2D::fromSRID(Geographic2D::EPSG_AMERSFOORT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4289')
Geographic::fromSRID(Geographic2D::EPSG_AMERSFOORT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4289')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AMERSFOORT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4289')
```

Use of geographic2D CRS Amersfoort (code 4289) for spatial referencing is discouraged. Use projected CRS Amersfoort / RD New (code 28992).

Ammassalik 1958

Extent: Greenland - Ammassalik area onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_AMMASSALIK_1958)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4196')
Geographic::fromSRID(Geographic2D::EPSG_AMMASSALIK_1958)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4196')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AMMASSALIK_1958)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4196')
```

Anguilla 1957

Extent: Anguilla - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ANGUILLA_1957)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4600')
Geographic::fromSRID(Geographic2D::EPSG_ANGUILLA_1957)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4600')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ANGUILLA_1957)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4600')
```

Antigua 1943

Extent: Antigua island - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ANTIGUA_1943)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4601')
Geographic::fromSRID(Geographic2D::EPSG_ANTIGUA_1943)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4601')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ANTIGUA_1943)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4601')
```

Aratu

Extent: Brazil - offshore south and east of a line intersecting the coast at 2°55'S; onshore Tucano basin

```
Geographic2D::fromSRID(Geographic2D::EPSG_ARATU)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4208')
Geographic::fromSRID(Geographic2D::EPSG_ARATU)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4208')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ARATU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4208')
```

Arc 1950

Extent: Botswana; Malawi; Zambia; Zimbabwe

```
Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1950)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4209')
Geographic::fromSRID(Geographic2D::EPSG_ARC_1950)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4209')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ARC_1950)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4209')
```

Arc 1960

Extent: Burundi, Kenya, Rwanda, Tanzania and Uganda

```
Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1960)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4210')
Geographic::fromSRID(Geographic2D::EPSG_ARC_1960)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4210')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ARC_1960)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4210')
```

Ascension Island 1958

Extent: St Helena, Ascension and Tristan da Cunha - Ascension Island - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ASCENSION_ISLAND_1958)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4712')
Geographic::fromSRID(Geographic2D::EPSG_ASCENSION_ISLAND_1958)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4712')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ASCENSION_ISLAND_1958)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4712')
```

Astro DOS 71

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ASTRO_DOS_71)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4710')
Geographic::fromSRID(Geographic2D::EPSG_ASTRO_DOS_71)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4710')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ASTRO_DOS_71)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4710')
```

Used between 1972 and 2015. Replaced by SHGD2015 (CRS code 7886) from 2015.

Australian Antarctic

Extent: Antarctica between 45°E and 136°E and between 142°E and 160°E - Australian sector

```
Geographic2D::fromSRID(Geographic2D::EPSG_AUSTRALIAN_ANTARCTIC)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4176')
Geographic::fromSRID(Geographic2D::EPSG_AUSTRALIAN_ANTARCTIC)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4176')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AUSTRALIAN_ANTARCTIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4176')
```

Ayabelle Lighthouse

Extent: Djibouti - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_AYABELLE_LIGHTHOUSE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4713')
Geographic::fromSRID(Geographic2D::EPSG_AYABELLE_LIGHTHOUSE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4713')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AYABELLE_LIGHTHOUSE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4713')
```

Azores Central 1948

Extent: Portugal - central Azores onshore - Faial, Graciosa, Pico, Sao Jorge, Terceira

```
Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4183')
Geographic::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4183')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4183')
```

Replaced by 1995 system (CRS code 4665).

Azores Central 1995

Extent: Portugal - central Azores onshore - Faial, Graciosa, Pico, Sao Jorge, Terceira

```
Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1995)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4665')
Geographic::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4665')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4665')
```

Replaces 1948 system (CRS code 4183). Replaced by PTRA08 (CRS code 5013).

Azores Occidental 1939

Extent: Portugal - western Azores onshore - Flores, Corvo

```
Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_OCCIDENTAL_1939)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4182')
Geographic::fromSRID(Geographic2D::EPSG_AZORES_OCCIDENTAL_1939)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4182')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AZORES_OCCIDENTAL_1939)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4182')
```

Replaced by PTRA08 (CRS code 5013).

Azores Oriental 1940

Extent: Portugal - eastern Azores onshore - Sao Miguel, Santa Maria, Formigas

```
Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1940)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4184')
Geographic::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1940)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4184')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1940)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4184')
```

Replaced by 1995 system (CRS code 4664).

Azores Oriental 1995

Extent: Portugal - eastern Azores onshore - Sao Miguel, Santa Maria, Formigas

```
Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1995)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4664')
Geographic::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4664')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4664')
```

Replaces 1948 system (CRS code 4184). Replaced by PTRA08 (CRS code 5013).

BBT2000

Extent: Austria and Italy - on or related to the Brenner Base Tunnel rail route from Innsbruck to Fortezza (Franzensfeste)

```
Geographic2D::fromSRID(Geographic2D::EPSG_BBT2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10475')
Geographic::fromSRID(Geographic2D::EPSG_BBT2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10475')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BBT2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10475')
```

BD50

Extent: Belgium - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BD50)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4215')
Geographic::fromSRID(Geographic2D::EPSG_BD50)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4215')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BD50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4215')
```

BD50 (Brussels)

Extent: Belgium - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BD50_BRUSSELS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4809')
Geographic::fromSRID(Geographic2D::EPSG_BD50_BRUSSELS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4809')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BD50_BRUSSELS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4809')
```

BD72

Extent: Belgium - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BD72)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4313')
Geographic::fromSRID(Geographic2D::EPSG_BD72)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4313')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BD72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4313')
```

BDA2000

Extent: Bermuda - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BDA2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4762')
Geographic::fromSRID(Geographic2D::EPSG_BDA2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4762')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BDA2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4762')
```

Replaces Bermuda 1957 (CRS code 4216).

BGS2005

Extent: Bulgaria - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BGS2005)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7798')
Geographic::fromSRID(Geographic2D::EPSG_BGS2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7798')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BGS2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7798')
```

Adopted 2010-07-29. Replaces earlier systems.

BH_ETRS89

Extent: Bosnia and Herzegovina

```
Geographic2D::fromSRID(Geographic2D::EPSG_BH_ETRS89)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10328')
Geographic::fromSRID(Geographic2D::EPSG_BH_ETRS89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10328')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BH_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10328')
```

In Bosnia and Herzegovina replaces MGI 1901 (CRS code 3906).

Barbados 1938

Extent: Barbados - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BARBADOS_1938)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4212')
Geographic::fromSRID(Geographic2D::EPSG_BARBADOS_1938)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4212')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BARBADOS_1938)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4212')
```

Batavia

Extent: Indonesia - Bali, Java and western Sumatra onshore, offshore southern Java Sea, Madura Strait and western Bali Sea

```
Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4211')
Geographic::fromSRID(Geographic2D::EPSG_BATAVIA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4211')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BATAVIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4211')
```

Batavia (Jakarta)

Extent: Indonesia - onshore - Bali, Java and western Sumatra

```
Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA_JAKARTA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4813')
Geographic::fromSRID(Geographic2D::EPSG_BATAVIA_JAKARTA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4813')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BATAVIA_JAKARTA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4813')
```

Beduaram

Extent: Niger - southeast

```
Geographic2D::fromSRID(Geographic2D::EPSG_BEDUARAM)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4213')
Geographic::fromSRID(Geographic2D::EPSG_BEDUARAM)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4213')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BEDUARAM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4213')
```

Beijing 1954

Extent: China - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4214')
Geographic::fromSRID(Geographic2D::EPSG_BEIJING_1954)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4214')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BEIJING_1954)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4214')
```

In 1982 replaced by Xian 1980 (CRS code 4610) and New Beijing (CRS code 4555).

Bekaa Valley 1920

Extent: Lebanon - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BEKAA_VALLEY_1920)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6882')
Geographic::fromSRID(Geographic2D::EPSG_BEKAA_VALLEY_1920)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6882')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BEKAA_VALLEY_1920)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6882')
```

Bellevue

Extent: Vanuatu - southern islands - Aneityum, Efate, Erromango and Tanna

```
Geographic2D::fromSRID(Geographic2D::EPSG_BELLEVUE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4714')
Geographic::fromSRID(Geographic2D::EPSG_BELLEVUE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4714')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BELLEVUE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4714')
```

Bermuda 1957

Extent: Bermuda - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BERMUDA_1957)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4216')
Geographic::fromSRID(Geographic2D::EPSG_BERMUDA_1957)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4216')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BERMUDA_1957)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4216')
```

Replaced by BDA2000 (CRS code 4762).

Bern 1898 (Bern)

Extent: Liechtenstein; Switzerland

```
Geographic2D::fromSRID(Geographic2D::EPSG_BERN_1898_BERN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4801')
Geographic::fromSRID(Geographic2D::EPSG_BERN_1898_BERN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4801')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BERN_1898_BERN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4801')
```

Bern 1938

Extent: Liechtenstein; Switzerland

```
Geographic2D::fromSRID(Geographic2D::EPSG_BERN_1938)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4306')
Geographic::fromSRID(Geographic2D::EPSG_BERN_1938)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4306')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BERN_1938)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4306')
```

Used for the geographic coordinates overprinted on topographic maps constructed on the CH1903 / LV03 projected CS (code 21781).

Bioko

Extent: Equatorial Guinea - Bioko onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BIOKO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6883')
Geographic::fromSRID(Geographic2D::EPSG_BIOKO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6883')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BIOKO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6883')
```

Bissau

Extent: Guinea-Bissau - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BISSAU)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4165')
Geographic::fromSRID(Geographic2D::EPSG_BISSAU)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4165')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BISSAU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4165')
```

Bogota 1975

Extent: Colombia - mainland and offshore Caribbean

```
Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4218')
Geographic::fromSRID(Geographic2D::EPSG_BOGOTA_1975)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4218')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BOGOTA_1975)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4218')
```

Replaces earlier 3 adjustments of 1951, 1944 and 1941. Replaced by MAGNA-SIRGAS (CRS code 4685).

Bogota 1975 (Bogota)

Extent: Colombia - mainland onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975_BOGOTA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4802')
Geographic::fromSRID(Geographic2D::EPSG_BOGOTA_1975_BOGOTA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4802')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BOGOTA_1975_BOGOTA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4802')
```

Replaces earlier 3 adjustments of 1951, 1944 and 1941.

Bukit Rimpah

Extent: Indonesia - Banga and Belitung Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_BUKIT_RIMPAH)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4219')
Geographic::fromSRID(Geographic2D::EPSG_BUKIT_RIMPAH)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4219')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_BUKIT_RIMPAH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4219')
```

CGRS93

Extent: Cyprus - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CGRS93)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6311')
Geographic::fromSRID(Geographic2D::EPSG_CGRS93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6311')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CGRS93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6311')
```

Adopted by DLS in 1993 for new survey plans and maps.

CH1903

Extent: Liechtenstein; Switzerland

```
Geographic2D::fromSRID(Geographic2D::EPSG_CH1903)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4149')
Geographic::fromSRID(Geographic2D::EPSG_CH1903)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4149')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CH1903)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4149')
```

Replaced by CH1903+.

CH1903+

Extent: Liechtenstein; Switzerland

```
Geographic2D::fromSRID(Geographic2D::EPSG_CH1903_PLUS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4150')
Geographic::fromSRID(Geographic2D::EPSG_CH1903_PLUS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4150')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CH1903_PLUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4150')
```

Replaces CH1903.

CHTRS95

Extent: Liechtenstein; Switzerland

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHTRS95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4151')
Geographic::fromSRID(Geographic2D::EPSG_CHTRS95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4151')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CHTRS95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4151')
```

CIGD11

Extent: Cayman Islands - onshore and offshore. Includes Grand Cayman, Little Cayman and Cayman Brac

```
Geographic2D::fromSRID(Geographic2D::EPSG_CIGD11)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6135')
Geographic::fromSRID(Geographic2D::EPSG_CIGD11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6135')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CIGD11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6135')
```

CNH22-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Crewe via Chester to Holyhead

```
Geographic2D::fromSRID(Geographic2D::EPSG_CNH22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10191')
Geographic::fromSRID(Geographic2D::EPSG_CNH22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10191')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CNH22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10191')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / CNH22 SnakeGrid projected CRS through transformation ETRS89 to CNH22-IRF (1) (code 10192) used in conjunction with the CNH22-LCC map projection (code 10193).

COV23-IRF

Extent: United Kingdom (UK) - in and around the area of Coventry city centre and the route to Birmingham airport

```
Geographic2D::fromSRID(Geographic2D::EPSG_COV23_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10468')
Geographic::fromSRID(Geographic2D::EPSG_COV23_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10468')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_COV23_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10468')
```

Intermediate CRS created in 2023 to assist the emulation of the ETRS89 / COV23 SnakeGrid projected CRS through transformation ETRS89 to COV23 (1) (code 10469) used in conjunction with the COV23-TM map projection (code 10470).

CR-SIRGAS

Extent: Costa Rica - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CR_SIRGAS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8907')
Geographic::fromSRID(Geographic2D::EPSG_CR_SIRGAS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8907')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CR_SIRGAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8907')
```

Replaces CR05 (CRS code 5365) from April 2018.

CR05

Extent: Costa Rica - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CR05)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5365')
Geographic::fromSRID(Geographic2D::EPSG_CR05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5365')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CR05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5365')
```

Replaces Ocotepeque (CRS code 5451) in Costa Rica from March 2007. Replaced by CR-SIRGAS (CRS code 8907) from April 2018.

CSG67

Extent: French Guiana - coastal area

```
Geographic2D::fromSRID(Geographic2D::EPSG_CSG67)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4623')
Geographic::fromSRID(Geographic2D::EPSG_CSG67)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4623')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CSG67)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4623')
```

CWS13-IRF

Extent: United Kingdom (UK) - on or related to the rail route from from Chester via Wrexham to Shrewsbury

```
Geographic2D::fromSRID(Geographic2D::EPSG_CWS13_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10196')
Geographic::fromSRID(Geographic2D::EPSG_CWS13_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10196')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CWS13_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10196')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / CWS13 SnakeGrid projected CRS through transformation ETRS89 to CWS13-IRF (1) (code 10197) used in conjunction with the CWS13-TM map projection (code 10198).

Cadastre 1997

Extent: Mayotte - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CADASTRE_1997)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4475')
Geographic::fromSRID(Geographic2D::EPSG_CADASTRE_1997)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4475')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CADASTRE_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4475')
```

Replaces Combani 1950 (CRS code 4632) for cadastral purposes only. For other purposes see RGM04 (CRS code 4470).

Camacupa 1948

Extent: Angola - Angola proper - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4220')
Geographic::fromSRID(Geographic2D::EPSG_CAMACUPA_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4220')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CAMACUPA_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4220')
```

Provisional adjustment. Coastal stations used for offshore radio-navigation positioning and determination of transformations to WGS. Differs from second adjustment (Camacupa 2015, CRS code 8694), which is not used for offshore E&P, by up to 25m.

Camacupa 2015

Extent: Angola - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_2015)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8694')
Geographic::fromSRID(Geographic2D::EPSG_CAMACUPA_2015)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8694')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CAMACUPA_2015)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8694')
```

Camacupa 1948 (CRS code 4220) is used for offshore oil and gas exploration and production. Camacupa 2015 differs from Camacupa 1948 by up to 25m.

Camp Area Astro

Extent: Antarctica - McMurdo Sound, Camp McMurdo area

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAMP_AREA_ASTRO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4715')
Geographic::fromSRID(Geographic2D::EPSG_CAMP_AREA_ASTRO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4715')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CAMP_AREA_ASTRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4715')
```

Replaced by RSRGD2000 (CRS code 4764). The relationship to this is variable. See Land Information New Zealand LINZS25001.

Campo Inchauspe

Extent: Argentina - mainland onshore and Atlantic offshore Tierra del Fuego

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4221')
Geographic::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4221')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4221')
```

Cape

Extent: Botswana; Eswatini (Swaziland); Lesotho; South Africa - mainland

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAPE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4222')
Geographic::fromSRID(Geographic2D::EPSG_CAPE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4222')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CAPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4222')
```

Replaced by Hartbeesthoek94 from 1999.

Cape Canaveral

Extent: North America - onshore - Bahamas and USA - Florida (east)

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAPE_CANAVERAL)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4717')
Geographic::fromSRID(Geographic2D::EPSG_CAPE_CANAVERAL)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4717')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CAPE_CANAVERAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4717')
```

Carthage

Extent: Tunisia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4223')
Geographic::fromSRID(Geographic2D::EPSG_CARTHAGE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4223')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CARTHAGE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4223')
```

Carthage (Paris)

Extent: Tunisia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE_PARIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4816')
Geographic::fromSRID(Geographic2D::EPSG_CARTHAGE_PARIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4816')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CARTHAGE_PARIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4816')
```

Replaced by Greenwich-based Carthage geogCRS.

Chatham Islands 1971

Extent: New Zealand - Chatham Islands group - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1971)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4672')
Geographic::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1971)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4672')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1971)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4672')
```

Replaced by CI1979.

Chatham Islands 1979

Extent: New Zealand - Chatham Islands group - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1979)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4673')
Geographic::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1979)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4673')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1979)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4673')
```

Replaces CI1971. Replaced by NZGD2000 from March 2000.

China Geodetic Coordinate System 2000

Extent: China - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4490')
Geographic::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4490')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_
↪2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4490')
```

Adopted July 2008. Replaces Xian 1980 (CRS code 4610).

Chos Malal 1914

Extent: Argentina - Mendoza province, Neuquen province, western La Pampa province and western Rio Negro province

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHOS_MALAL_1914)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4160')
Geographic::fromSRID(Geographic2D::EPSG_CHOS_MALAL_1914)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4160')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CHOS_MALAL_1914)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4160')
```

Replaced by Campo Inchauspe (geogCRS code 4221) for topographic mapping, use for oil exploration and production continues.

Chua

Extent: Brazil - south of 18°S and west of 54°W, plus Distrito Federal. Paraguay - north

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHUA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4224')
Geographic::fromSRID(Geographic2D::EPSG_CHUA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4224')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CHUA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4224')
```

The Chua origin and associated network is in Brazil with a connecting traverse through northern Paraguay. In Brazil used only as input into the Corrego Allegre adjustment (CRS code 4225), except for government work including SICAD in Distrito Federal.

Cocos Islands 1965

Extent: Cocos (Keeling) Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_COCOS_ISLANDS_1965)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4708')
Geographic::fromSRID(Geographic2D::EPSG_COCOS_ISLANDS_1965)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4708')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_COCOS_ISLANDS_1965)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4708')
```

Combani 1950

Extent: Mayotte - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_COMBANI_1950)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4632')
Geographic::fromSRID(Geographic2D::EPSG_COMBANI_1950)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4632')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_COMBANI_1950)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4632')
```

Replaced by Cadastre 1997 (CRS code 4475) for cadastral purposes only and by RGM04 (CRS code 4470) for all other purposes.

Conakry 1905

Extent: Guinea - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_CONAKRY_1905)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4315')
Geographic::fromSRID(Geographic2D::EPSG_CONAKRY_1905)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4315')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CONAKRY_1905)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4315')
```

Replaced by Dabola 1981 (EPSG code 4155).

Corrego Alegre 1961

Extent: Brazil - onshore - between 18°S and 27°30'S, also east of 54°W between 15°S and 18°S

```
Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5524')
Geographic::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5524')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5524')
```

Replaced by Corrego Alegre 1970-72 (CRS code 4225).

Corrego Alegre 1970-72

Extent: Brazil - onshore - west of 54°W and south of 18°S; also south of 15°S between 54°W and 42°W; also east of 42°W

```
Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4225')
Geographic::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4225')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4225')
```

Replaces 1961 adjustment (CRS code 5524). Replaced by SAD69 (CRS code 4291).

DB_REF

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Geographic2D::fromSRID(Geographic2D::EPSG_DB_REF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5681')
Geographic::fromSRID(Geographic2D::EPSG_DB_REF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5681')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DB_REF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5681')
```

Geometric component of both DB_REF2003 and DB_REF2016 systems. Differs from DHDN by 0.5-1m in former West Germany and by a maximum of 3m in former East Germany.

DGN95

Extent: Indonesia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_DGN95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4755')
Geographic::fromSRID(Geographic2D::EPSG_DGN95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4755')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DGN95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4755')
```

Replaces ID74.

DHDN

Extent: Germany - states of former West Germany onshore - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Schleswig-Holstein

```
Geographic2D::fromSRID(Geographic2D::EPSG_DHDN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4314')
Geographic::fromSRID(Geographic2D::EPSG_DHDN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4314')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DHDN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4314')
```

See also RD/83 for Saxony and PD/83 for Thuringen. For national digital cartographic purposes used across all German states.

DIBA15-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Didcot to Banbury

```
Geographic2D::fromSRID(Geographic2D::EPSG_DIBA15_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10204')
Geographic::fromSRID(Geographic2D::EPSG_DIBA15_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10204')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DIBA15_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10204')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / DIBA15 SnakeGrid projected CRS through transformation ETRS89 to DIBA15-IRF (1) (code 10205) used in conjunction with the DIBA15-TM map projection (code 10206).

DRUKREF 03

Extent: Bhutan

```
Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5264')
Geographic::fromSRID(Geographic2D::EPSG_DRUKREF_03)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5264')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DRUKREF_03)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5264')
```

Dabola 1981

Extent: Guinea - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_DABOLA_1981)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4155')
Geographic::fromSRID(Geographic2D::EPSG_DABOLA_1981)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4155')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DABOLA_1981)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4155')
```

Replaces Conakry 1905 (EPSG code 4315).

Datum 73

Extent: Portugal - mainland - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_DATUM_73)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4274')
Geographic::fromSRID(Geographic2D::EPSG_DATUM_73)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4274')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DATUM_73)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4274')
```

Dealul Piscului 1930

Extent: Romania - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_DEALUL_PISCULUI_1930)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4316')
Geographic::fromSRID(Geographic2D::EPSG_DEALUL_PISCULUI_1930)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4316')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DEALUL_PISCULUI_1930)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4316')
```

Replaced by Pulkovo 1942(58) (geogCRS code 4179).

Deception Island

Extent: Antarctica - South Shetland Islands - Deception Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_DECEPTION_ISLAND)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4736')
Geographic::fromSRID(Geographic2D::EPSG_DECEPTION_ISLAND)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4736')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DECEPTION_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4736')
```

Deir ez Zor

Extent: Lebanon - onshore. Syrian Arab Republic - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4227')
Geographic::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4227')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4227')
```

Diego Garcia 1969

Extent: British Indian Ocean Territory - Chagos Archipelago - Diego Garcia

```
Geographic2D::fromSRID(Geographic2D::EPSG_DIEGO_GARCIA_1969)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4724')
Geographic::fromSRID(Geographic2D::EPSG_DIEGO_GARCIA_1969)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4724')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DIEGO_GARCIA_1969)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4724')
```

DoPw22-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Dovey Junction to Pwllheli

```
Geographic2D::fromSRID(Geographic2D::EPSG_DOPW22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10175')
Geographic::fromSRID(Geographic2D::EPSG_DOPW22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10175')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DOPW22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10175')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / DoPw22 SnakeGrid projected CRS through transformation ETRS89 to DoPw22-IRF (1) (code 10181) used in conjunction with the DoPw22-TM map projection (code 10182).

Dominica 1945

Extent: Dominica - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_DOMINICA_1945)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4602')
Geographic::fromSRID(Geographic2D::EPSG_DOMINICA_1945)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4602')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DOMINICA_1945)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4602')
```

Douala 1948

Extent: Cameroon - coastal area

```
Geographic2D::fromSRID(Geographic2D::EPSG_DOUALA_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4192')
Geographic::fromSRID(Geographic2D::EPSG_DOUALA_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4192')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_DOUALA_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4192')
```

Replaced by Manoca 1962 (code 4193).

EBBWV14-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Newport (Park Junction) to Ebbw Vale

```
Geographic2D::fromSRID(Geographic2D::EPSG_EBBWV14_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9939')
Geographic::fromSRID(Geographic2D::EPSG_EBBWV14_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9939')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EBBWV14_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9939')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / EBBWV14 SnakeGrid projected CRS through transformation ETRS89 to EBBWV14-IRF (1) (code 9941) used in conjunction with the EBBWV14-TM map projection (code 9942).

ECML14_NB-IRF

Extent: United Kingdom (UK) - on or related to rail routes from Newcastle Central to Ashington via Benton North Junction, and the section from Bedlington to Morpeth

```
Geographic2D::fromSRID(Geographic2D::EPSG_ECML14_NB_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9758')
Geographic::fromSRID(Geographic2D::EPSG_ECML14_NB_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9758')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ECML14_NB_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9758')
```

Intermediate CRS created in 2021 to assist the emulation of the ETRS89 / ECML14_NB SnakeGrid projected CRS through transformation ETRS89 to ECML14_NB-IRF (1) (code 9759) used in conjunction with the ECML14_NB-TM map projection (code 9760).

ED50

Extent: Europe - west: Andorra; Cyprus; Denmark - onshore and offshore; Faroe Islands - onshore; France - offshore; Germany - offshore North Sea; Gibraltar; Greece - offshore; Israel - offshore; Italy including San Marino and Vatican City State; Ireland offshore; Malta; Netherlands - offshore; North Sea; Norway including Svalbard - onshore and offshore; Portugal - mainland - offshore; Spain - onshore; Türkiye (Turkey) - onshore and offshore; United Kingdom - UKCS offshore east of 6°W including Channel Islands (Guernsey and Jersey). Egypt - Western Desert; Iraq - onshore; Jordan

```
Geographic2D::fromSRID(Geographic2D::EPSG_ED50)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4230')
Geographic::fromSRID(Geographic2D::EPSG_ED50)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4230')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ED50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4230')
```

ED50(ED77)

Extent: Iran - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4154')
Geographic::fromSRID(Geographic2D::EPSG_ED50_ED77)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4154')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ED50_ED77)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4154')
```

ED79

Extent: Europe - west

```
Geographic2D::fromSRID(Geographic2D::EPSG_ED79)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4668')
Geographic::fromSRID(Geographic2D::EPSG_ED79)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4668')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ED79)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4668')
```

ED87

Extent: Europe - west

```
Geographic2D::fromSRID(Geographic2D::EPSG_ED87)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4231')
Geographic::fromSRID(Geographic2D::EPSG_ED87)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4231')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ED87)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4231')
```

ELD79

Extent: Libya - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ELD79)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4159')
Geographic::fromSRID(Geographic2D::EPSG_ELD79)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4159')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ELD79)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4159')
```

EOS21-IRF

Extent: United Kingdom (UK) - on or related to the complex of rail routes in the East of Scotland, incorporating the route from Tweedbank through the Borders to Edinburgh; the line from Edinburgh to Aberdeen; routes via Kirkaldy and Cowdenbeath; and routes via Leuchars and Perth to Dundee.

```
Geographic2D::fromSRID(Geographic2D::EPSG_EOS21_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9739')
Geographic::fromSRID(Geographic2D::EPSG_EOS21_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9739')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EOS21_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9739')
```

Intermediate CRS created in 2021 to assist the emulation of the ETRS89 / EOS21 SnakeGrid projected CRS through transformation ETRS89 to EOS21-IRF (1) (code 9740) used in conjunction with the EOS21-TM map projection (code 9738).

EST92

Extent: Estonia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_EST92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4133')
Geographic::fromSRID(Geographic2D::EPSG_EST92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4133')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EST92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4133')
```

This name is also used for a projected CRS (see projCRS code 3300). Replaced by EST97 (code 4180).

EST97

Extent: Estonia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_EST97)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4180')
Geographic::fromSRID(Geographic2D::EPSG_EST97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4180')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EST97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4180')
```

This name is also used for a projected CRS (see projCRS code 3301). Replaces EST92 (code 4133).

ETRF2000

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9067')
Geographic::fromSRID(Geographic2D::EPSG_ETRF2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9067')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9067')
```

Replaces ETRF97 (code 9066). On the publication of ETRF2005 the EUREF Technical Working Group recommended ETRF2000 be the realization of ETRS89. ETRF2014 and ETRF2020 (codes 9069 and 10571) are technically superior to all earlier realizations of ETRS89.

ETRF2000-PL

Extent: Poland - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9702')
Geographic::fromSRID(Geographic2D::EPSG_ETRF2000_PL)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9702')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF2000_PL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9702')
```

ETRF2005

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2005)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9068')
Geographic::fromSRID(Geographic2D::EPSG_ETRF2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9068')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9068')
```

On publication in 2007 of this CRS, the EUREF Technical Working Group recommended that ETRF2000 (EPSG code 9067) remained as the preferred realization of ETRS89. Replaced by ETRF2014 (code 9069).

ETRF2014

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2014)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9069')
Geographic::fromSRID(Geographic2D::EPSG_ETRF2014)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9069')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9069')
```

Replaces ETRF2005 (code 9068). ETRF2014 is technically superior to ETRF2000 but ETRF2000 and other previous realizations may be preferred for backward compatibility reasons. Differences between ETRF2014 and ETRF2000 can reach 7cm.

ETRF2020

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2020)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10571')
Geographic::fromSRID(Geographic2D::EPSG_ETRF2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10571')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10571')
```

Replaces ETRF2014 (code 9069). ETRF2020 is technically superior to ETRF2000 but ETRF2000 and other previous realizations may be preferred for backward compatibility reasons. Differences between ETRF2020 and ETRF2000 can reach 7cm.

ETRF89

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF89)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9059')
Geographic::fromSRID(Geographic2D::EPSG_ETRF89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9059')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9059')
```

Replaced by ETRF90 (code 9060).

ETRF90

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF90)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9060')
Geographic::fromSRID(Geographic2D::EPSG_ETRF90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9060')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9060')
```

Replaces ETRF89 (code 9059). Replaced by ETRF91 (code 9061).

ETRF91

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF91)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9061')
Geographic::fromSRID(Geographic2D::EPSG_ETRF91)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9061')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF91)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9061')
```

Replaces ETRF90 (code 9060). Replaced by ETRF92 (code 9062).

ETRF92

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9062')
Geographic::fromSRID(Geographic2D::EPSG_ETRF92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9062')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9062')
```

Replaces ETRF91 (code 9061). Replaced by ETRF93 (code 9063).

ETRF93

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF93)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9063')
Geographic::fromSRID(Geographic2D::EPSG_ETRF93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9063')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9063')
```

Replaces ETRF92 (code 9062). Replaced by ETRF94 (code 9064).

ETRF94

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9064')
Geographic::fromSRID(Geographic2D::EPSG_ETRF94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9064')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9064')
```

Replaces ETRF93 (code 9063). Replaced by ETRF96 (code 9065).

ETRF96

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9065')
Geographic::fromSRID(Geographic2D::EPSG_ETRF96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9065')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9065')
```

Replaces ETRF94 (code 9064). Replaced by ETRF97 (code 9066).

ETRF97

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRF97)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9066')
Geographic::fromSRID(Geographic2D::EPSG_ETRF97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9066')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRF97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9066')
```

Replaces ETRF96 (code 9065). Replaced by ETRF2000 (code 9067).

ETRS89

Extent: Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4258')
Geographic::fromSRID(Geographic2D::EPSG_ETRS89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4258')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4258')
```

Has been realized through ETRF89, ETRF90, ETRF91, ETRF92, ETRF93, ETRF94, ETRF96, ETRF97, ETRF2000, ETRF2005 and ETRF2014. This 'ensemble' covers any or all of these realizations without distinction.

ETRS89/DREF91/2016

Extent: Germany - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10284')
Geographic::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10284')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10284')
```

German national realization of ETRS89. Replaces ETRS89/DREF91 Realization 2002 from 2016-12-01.

EWR2-IRF

Extent: United Kingdom (UK) - on or related to East West Rail (Phase 2) routes from Oxford to Bicester, Bletchley and Bedford, and from Claydon Junction to Aylesbury and Princes Risborough

```
Geographic2D::fromSRID(Geographic2D::EPSG_EWR2_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9763')
Geographic::fromSRID(Geographic2D::EPSG_EWR2_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9763')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EWR2_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9763')
```

Intermediate CRS created in 2021 to assist the emulation of the ETRS89 / EWR2 SnakeGrid projected CRS through transformation ETRS89 to EWR2-IRF (1) (code 9764) used in conjunction with the EWR2-TM map projection (code 9765).

Easter Island 1967

Extent: Chile - Easter Island onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_EASTER_ISLAND_1967)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4719')
Geographic::fromSRID(Geographic2D::EPSG_EASTER_ISLAND_1967)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4719')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EASTER_ISLAND_1967)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4719')
```

Egypt 1907

Extent: Egypt - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_1907)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4229')
Geographic::fromSRID(Geographic2D::EPSG_EGYPT_1907)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4229')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EGYPT_1907)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4229')
```

Egypt 1930

Extent: Egypt - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_1930)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4199')
Geographic::fromSRID(Geographic2D::EPSG_EGYPT_1930)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4199')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EGYPT_1930)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4199')
```

Note that Egypt 1930 uses the International 1924 ellipsoid, unlike the Egypt 1907 CRS (code 4229) which uses the Helmert ellipsoid. Oil industry references to the Egypt 1930 name and the Helmert ellipsoid probably mean Egypt 1907.

Egypt Gulf of Suez S-650 TL

Extent: Egypt - Gulf of Suez

```
Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4706')
Geographic::fromSRID(Geographic2D::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4706')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4706')
```

Differs from Egypt 1907 (CRS code 4229) by approximately 20m.

FD54

Extent: Faroe Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_FD54)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4741')
Geographic::fromSRID(Geographic2D::EPSG_FD54)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4741')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FD54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4741')
```

Except for cadastral survey, replaced by ED50 in the late 1970's. For cadastral survey, replaced by fk89 (CRS code 4753).

FD58

Extent: Iran - Arwaz area and onshore Gulf coast west of 54°E, Lavan Island, offshore Balal field and South Pars blocks 2 and 3

```
Geographic2D::fromSRID(Geographic2D::EPSG_FD58)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4132')
Geographic::fromSRID(Geographic2D::EPSG_FD58)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4132')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FD58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4132')
```

FEH2010

Extent: Fehmarnbelt area of Denmark and Germany

```
Geographic2D::fromSRID(Geographic2D::EPSG_FEH2010)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5593')
Geographic::fromSRID(Geographic2D::EPSG_FEH2010)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5593')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FEH2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5593')
```

Created for engineering survey and construction of Fehmarnbelt tunnel.

FNL22-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Inverness to Thurso and Wick

```
Geographic2D::fromSRID(Geographic2D::EPSG_FNL22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9974')
Geographic::fromSRID(Geographic2D::EPSG_FNL22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9974')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FNL22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9974')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / FNL22 SnakeGrid projected CRS through transformation ETRS89 to FNL22-IRF (1) (code 9975) used in conjunction with the FNL22-TM map projection (code 9976).

Fahud

Extent: Oman - mainland onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_FAHUD)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4232')
Geographic::fromSRID(Geographic2D::EPSG_FAHUD)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4232')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FAHUD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4232')
```

Since 1993 replaced by PSD93 geogCRS (code 4134). Maximum differences to Fahud adjustment are 20 metres.

Fatu Iva 72

Extent: French Polynesia - Marquesas Islands - Fatu Hiva

```
Geographic2D::fromSRID(Geographic2D::EPSG_FATU_IVA_72)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4688')
Geographic::fromSRID(Geographic2D::EPSG_FATU_IVA_72)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4688')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FATU_IVA_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4688')
```

Recomputed by IGN in 1972 using origin and observations of 1953-1955 Mission Hydrographique des Etablissement Francais d'Oceanie (MHEFO 55). Replaced by RGPF, CRS code 4687.

Fiji 1956

Extent: Fiji - onshore - Vanua Levu, Taveuni, Viti Levu and and immediately adjacent smaller islands of Yasawa and Kandavu groups

```
Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1956)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4721')
Geographic::fromSRID(Geographic2D::EPSG_FIJI_1956)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4721')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FIJI_1956)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4721')
```

For topographic mapping replaces Viti Levu 1912 (CRS code 4752) and Vanua Levu 1915 (CRS code 4748). Replaced by Fiji 1986 (CRS code 4720).

Fiji 1986

Extent: Fiji - onshore. Includes Viti Levu, Vanua Levu, Taveuni, the Yasawa Group, the Kadavu Group, the Lau Islands and Rotuma Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1986)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4720')
Geographic::fromSRID(Geographic2D::EPSG_FIJI_1986)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4720')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FIJI_1986)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4720')
```

Replaces Viti Levu 1912 (CRS code 4752), Vanua Levu 1915 (CRS code 4748) and Fiji 1956 (CRS code 4721).

Fort Marigot

Extent: Guadeloupe - onshore - St Martin and St Barthélemy islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_FORT_MARIGOT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4621')
Geographic::fromSRID(Geographic2D::EPSG_FORT_MARIGOT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4621')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FORT_MARIGOT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4621')
```

Replaced by RRAF 1991 (CRS code 4558).

GBK19-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Glasgow to Kilmarnock via Barrhead and the branch to East Kilbride

```
Geographic2D::fromSRID(Geographic2D::EPSG_GBK19_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9453')
Geographic::fromSRID(Geographic2D::EPSG_GBK19_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9453')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GBK19_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9453')
```

Intermediate CRS created in 2020 to assist the emulation of the ETRS89 / GBK19 SnakeGrid projected CRS through transformation ETRS89 to GBK19-IRF (1) (code 9454) used in conjunction with the GBK19-TM map projection (code 9455).

GCGD59

Extent: Cayman Islands - Grand Cayman

```
Geographic2D::fromSRID(Geographic2D::EPSG_GCGD59)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4723')
Geographic::fromSRID(Geographic2D::EPSG_GCGD59)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4723')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GCGD59)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4723')
```

Superseded by CIGD11 (CRS code 6135).

GDA2020

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7844')
Geographic::fromSRID(Geographic2D::EPSG_GDA2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7844')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GDA2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7844')
```

GDA94

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GDA94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4283')
Geographic::fromSRID(Geographic2D::EPSG_GDA94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4283')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GDA94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4283')
```

GDBD2009

Extent: Brunei Darussalam - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GDBD2009)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5246')
Geographic::fromSRID(Geographic2D::EPSG_GDBD2009)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5246')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GDBD2009)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5246')
```

Introduced from July 2009 to replace Timbalai 1948 (CRS code 4298) for government purposes.

GDM2000

Extent: Malaysia - onshore and offshore. Includes peninsular Malayasia, Sabah and Sarawak

```
Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4742')
Geographic::fromSRID(Geographic2D::EPSG_GDM2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4742')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GDM2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4742')
```

Replaces all earlier Malaysian geographic CRSs.

GGRS87

Extent: Greece - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GGRS87)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4121')
Geographic::fromSRID(Geographic2D::EPSG_GGRS87)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4121')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GGRS87)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4121')
```

GR96

Extent: Greenland - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GR96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4747')
Geographic::fromSRID(Geographic2D::EPSG_GR96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4747')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GR96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4747')
```

Replaces all earlier Greenland geographic CRSs.

GS-IRF

Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland

```
Geographic2D::fromSRID(Geographic2D::EPSG_GS_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10256')
Geographic::fromSRID(Geographic2D::EPSG_GS_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10256')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GS_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10256')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic Generalstabens System and ETRS89 through CT ETRS89 to GS-IRF (1) (code 10259) used in conjunction with the GS LCC map projection (code 10257).

GSB-IRF

Extent: Denmark - Bornholm onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GSB_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10260')
Geographic::fromSRID(Geographic2D::EPSG_GSB_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10260')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GSB_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10260')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic Generalstabens System and ETRS89 through CT ETRS89 to GSB-IRF (1) (code 10263) used in conjunction with the GSB-reconstruction map projection (code 10261).

GSK-2011

Extent: Russian Federation - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7683')
Geographic::fromSRID(Geographic2D::EPSG_GSK_2011)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7683')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GSK_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7683')
```

Replaces Pulkovo 1995 (CRS code 4200) with effect from 21st October 2011.

GWPBS22-IRF

Extent: United Kingdom (UK) - on or related to the rail route from London (Paddington) to Swansea

```
Geographic2D::fromSRID(Geographic2D::EPSG_GWPBS22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10209')
Geographic::fromSRID(Geographic2D::EPSG_GWPBS22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10209')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GWPBS22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10209')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / GWPBS22 SnakeGrid projected CRS through transformation ETRS89 to GWPBS22-IRF (1) (code 10210) used in conjunction with the GW22-LCC map projection (code 10211).

GWWAB22-IRF

Extent: United Kingdom (UK) - on or related to the rail routes around Cardiff and the valleys

```
Geographic2D::fromSRID(Geographic2D::EPSG_GWWAB22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10214')
Geographic::fromSRID(Geographic2D::EPSG_GWWAB22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10214')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GWWAB22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10214')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / GWWAB22 SnakeGrid projected CRS through transformation ETRS89 to GWWAB22-IRF (1) (code 10215) used in conjunction with the GW22-LCC map projection (code 10211).

GWWWA22-IRF

Extent: United Kingdom (UK) - on or related to the rail routes from Swansea to Pembroke Dock, Milford Haven and Fishguard

```
Geographic2D::fromSRID(Geographic2D::EPSG_GWWWA22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10219')
Geographic::fromSRID(Geographic2D::EPSG_GWWWA22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10219')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GWWWA22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10219')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / GWWWA22 SnakeGrid projected CRS through transformation ETRS89 to GWWWA22-IRF (1) (code 10220) used in conjunction with the GW22-LCC map projection (code 10211).

Gambia

Extent: Gambia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GAMBIA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6894')
Geographic::fromSRID(Geographic2D::EPSG_GAMBIA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6894')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GAMBIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6894')
```

Gan 1970

Extent: Maldives - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GAN_1970)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4684')
Geographic::fromSRID(Geographic2D::EPSG_GAN_1970)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4684')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GAN_1970)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4684')
```

In some references incorrectly named "Gandajika 1970". See CRS "Gandajika", code 4685, from the Democratic Republic of the Congo (Zaire).

Garoua

Extent: Cameroon - Garoua area

```
Geographic2D::fromSRID(Geographic2D::EPSG_GAROUA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4197')
Geographic::fromSRID(Geographic2D::EPSG_GAROUA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4197')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GAROUA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4197')
```

Grand Comoros

Extent: Comoros - Njazidja (Grande Comore)

```
Geographic2D::fromSRID(Geographic2D::EPSG_GRAND_COMOROS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4646')
Geographic::fromSRID(Geographic2D::EPSG_GRAND_COMOROS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4646')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GRAND_COMOROS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4646')
```

Greek

Extent: Greece - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GREEK)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4120')
Geographic::fromSRID(Geographic2D::EPSG_GREEK)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4120')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GREEK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4120')
```

Greek (Athens)

Extent: Greece - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GREEK_ATHENS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4815')
Geographic::fromSRID(Geographic2D::EPSG_GREEK_ATHENS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4815')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GREEK_ATHENS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4815')
```

Grenada 1953

Extent: Grenada and southern Grenadine Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GRENADA_1953)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4603')
Geographic::fromSRID(Geographic2D::EPSG_GRENADA_1953)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4603')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GRENADA_1953)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4603')
```

Guadeloupe 1948

Extent: Guadeloupe - onshore - Basse-Terre, Grande-Terre, La Desirade, Marie-Galante, Les Saintes

```
Geographic2D::fromSRID(Geographic2D::EPSG_GUADELOUPE_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4622')
Geographic::fromSRID(Geographic2D::EPSG_GUADELOUPE_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4622')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GUADELOUPE_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4622')
```

Replaced by RRAF 1991 (CRS code 4558).

Guam 1963

Extent: Guam - onshore. Northern Mariana Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GUAM_1963)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4675')
Geographic::fromSRID(Geographic2D::EPSG_GUAM_1963)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4675')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GUAM_1963)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4675')
```

Replaced by NAD83(HARN) alias Guam Geodetic Network 1993 (CRS code 4152) from 1995.

Gulshan 303

Extent: Bangladesh - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_GULSHAN_303)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4682')
Geographic::fromSRID(Geographic2D::EPSG_GULSHAN_303)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4682')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GULSHAN_303)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4682')
```

Gusterberg (Ferro)

Extent: Austria - Upper Austria and Salzburg provinces. Czechia - Bohemia

```
Geographic2D::fromSRID(Geographic2D::EPSG_GUSTERBERG_FERRO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8042')
Geographic::fromSRID(Geographic2D::EPSG_GUSTERBERG_FERRO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8042')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_GUSTERBERG_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8042')
```

HD1909

Extent: Hungary

```
Geographic2D::fromSRID(Geographic2D::EPSG_HD1909)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::3819')
Geographic::fromSRID(Geographic2D::EPSG_HD1909)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3819')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HD1909)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3819')
```

Replaced earlier HD1863 adjustment also on Bessel ellipsoid. Both HD1863 and HD1909 were originally on Ferro Prime Meridian but subsequently converted to Greenwich. Replaced by HD72 (CRS code 4237).

HD72

Extent: Hungary

```
Geographic2D::fromSRID(Geographic2D::EPSG_HD72)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4237')
Geographic::fromSRID(Geographic2D::EPSG_HD72)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4237')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HD72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4237')
```

Replaced HD1909 (EPSG CRS code 3819).

HS2-IRF

Extent: United Kingdom (UK) - HS2 phases 1 and 2a railway corridor from London to Birmingham, Lichfield and Crewe

```
Geographic2D::fromSRID(Geographic2D::EPSG_HS2_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9299')
Geographic::fromSRID(Geographic2D::EPSG_HS2_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9299')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HS2_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9299')
```

Intermediate CRS created to assist the emulation of the ETRS89 / HS2P1+14 SnakeGrid projected CRS through transformation HS2-IRF to ETRS89 (1) (code 9302) used in conjunction with the HS2-TM map projection (code 9301).

HTRS96

Extent: Croatia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HTRS96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4761')
Geographic::fromSRID(Geographic2D::EPSG_HTRS96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4761')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HTRS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4761')
```

HULLEE13-IRF

Extent: United Kingdom (UK) - on or related to the rail route from the Morley tunnel through Leeds to Hull

```
Geographic2D::fromSRID(Geographic2D::EPSG_HULLEE13_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9964')
Geographic::fromSRID(Geographic2D::EPSG_HULLEE13_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9964')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HULLEE13_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9964')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / HULLEE13 SnakeGrid projected CRS through transformation ETRS89 to HULLEE13-IRF (1) (code 9965) used in conjunction with the HULLEE13-TM map projection (code 9966).

Hanoi 1972

Extent: Vietnam - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HANOI_1972)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4147')
Geographic::fromSRID(Geographic2D::EPSG_HANOI_1972)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4147')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HANOI_1972)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4147')
```

Replaces use of Indian 1960. Replaced by VN-2000 (CRS code 4756).

Hartebeesthoek94

Extent: Eswatini (Swaziland); Lesotho; South Africa - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4148')
Geographic::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4148')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4148')
```

Replaces Cape (code 4222) from 1999.

Helle 1954

Extent: Jan Mayen - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HELLE_1954)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4660')
Geographic::fromSRID(Geographic2D::EPSG_HELLE_1954)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4660')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HELLE_1954)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4660')
```

Herat North

Extent: Afghanistan

```
Geographic2D::fromSRID(Geographic2D::EPSG_HERAT_NORTH)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4255')
Geographic::fromSRID(Geographic2D::EPSG_HERAT_NORTH)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4255')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HERAT_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4255')
```

Hito XVIII 1963

Extent: Chile - Tierra del Fuego, onshore; Argentina - Tierra del Fuego, onshore and offshore Atlantic west of 66°W

```
Geographic2D::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4254')
Geographic::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4254')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4254')
```

Hjorsey 1955

Extent: Iceland - mainland

```
Geographic2D::fromSRID(Geographic2D::EPSG_HJORSEY_1955)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4658')
Geographic::fromSRID(Geographic2D::EPSG_HJORSEY_1955)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4658')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HJORSEY_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4658')
```

Hong Kong 1963

Extent: China - Hong Kong - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1963)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4738')
Geographic::fromSRID(Geographic2D::EPSG_HONG_KONG_1963)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4738')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HONG_KONG_1963)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4738')
```

Replaced by Hong Kong 1963(67) (CRS code 4839) for military purposes only. For all purposes, replaced by Hong Kong 1980 (CRS code 4611).

Hong Kong 1963(67)

Extent: China - Hong Kong - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1963_67)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4739')
Geographic::fromSRID(Geographic2D::EPSG_HONG_KONG_1963_67)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4739')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HONG_KONG_1963_67)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4739')
```

For military purposes only, replaces Hong Kong 1963. Replaced by Hong Kong 1980 (CRS code 4611).

Hong Kong 1980

Extent: China - Hong Kong - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1980)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4611')
Geographic::fromSRID(Geographic2D::EPSG_HONG_KONG_1980)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4611')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HONG_KONG_1980)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4611')
```

Replaces Hong Kong 1963 and Hong Kong 1963(67).

Hong Kong Geodetic CS

Extent: China - Hong Kong - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_GEODETIC_CS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8427')
Geographic::fromSRID(Geographic2D::EPSG_HONG_KONG_GEODETIC_CS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8427')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HONG_KONG_GEODETIC_CS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8427')
```

Locally sometimes referred to as ITRF96 or WGS 84, these are not strictly correct.

Hu Tzu Shan 1950

Extent: Taiwan, Republic of China - onshore - Taiwan Island, Penghu (Pescadores) Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_HU_TZU_SHAN_1950)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4236')
Geographic::fromSRID(Geographic2D::EPSG_HU_TZU_SHAN_1950)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4236')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HU_TZU_SHAN_1950)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4236')
```

Hughes 1980

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_HUGHES_1980)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10345')
Geographic::fromSRID(Geographic2D::EPSG_HUGHES_1980)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10345')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_HUGHES_1980)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10345')
```

Used as basis for DMSP SSM/I data sets provided by NSIDC for polar research.

ID74

Extent: Indonesia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ID74)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4238')
Geographic::fromSRID(Geographic2D::EPSG_ID74)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4238')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ID74)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4238')
```

Replaced by DGN95.

IG05 Intermediate CRS

Extent: Israel - onshore; Palestine Territory - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6983')
Geographic::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6983')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6983')
```

Intermediate system not used for spatial referencing - use IGD05 (CRS code 6980). Referred to in Israeli documentation as “in GRS80”.

IG05/12 Intermediate CRS

Extent: Israel - onshore; Palestine Territory - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6990')
Geographic::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6990')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6990')
```

Intermediate system not used for spatial referencing - use IGD05/12 (CRS code 6987). Referred to in Israeli documentation as “in GRS80”.

IGC 1962 6th Parallel South

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4697')
Geographic::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4697')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4697')
```

IGCB 1955

Extent: The Democratic Republic of the Congo (Zaire) - Lower Congo (Bas Congo)

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGCB_1955)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4701')
Geographic::fromSRID(Geographic2D::EPSG_IGCB_1955)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4701')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGCB_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4701')
```

Replaced by IGC 1962 Arc of the 6th Parallel South, except for oil industry activities.

IGD05

Extent: Israel - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGD05)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7136')
Geographic::fromSRID(Geographic2D::EPSG_IGD05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7136')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGD05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7136')
```

Replaces Israel 1993 (CRS code 4141) from January 2005. Replaced by IGD05/12 (CRS code 7139) from March 2012.

IGD05/12

Extent: Israel - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGD05_12)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7139')
Geographic::fromSRID(Geographic2D::EPSG_IGD05_12)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7139')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGD05_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7139')
```

Replaces IGD05 (CRS code 7136) from March 2012.

IGM95

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGM95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4670')
Geographic::fromSRID(Geographic2D::EPSG_IGM95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4670')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGM95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4670')
```

Replaced by RDN2008 (CRS code 6706) from 2011-11-10.

IGN 1962 Kerguelen

Extent: French Southern Territories - Kerguelen onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN_1962_KERGUELEN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4698')
Geographic::fromSRID(Geographic2D::EPSG_IGN_1962_KERGUELEN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4698')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN_1962_KERGUELEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4698')
```

Replaced by RGTAAF07 (CRS code 7073).

IGN Astro 1960

Extent: Mauritania - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4700')
Geographic::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4700')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4700')
```

Mining title descriptions referring only to “Clarke 1880 ellipsoid” should be assumed to be referenced to this CRS. Oil industry considers Mining Cadastre 1999 to be exactly defined through tfm codes 15857-9. Replaced by Mauritania 1999 (code 4702).

IGN53 Mare

Extent: New Caledonia - Loyalty Islands - Mare

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN53_MARE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4641')
Geographic::fromSRID(Geographic2D::EPSG_IGN53_MARE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4641')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN53_MARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4641')
```

Replaced by RGNC91-93 (CRS code 4749).

IGN56 Lifou

Extent: New Caledonia - Loyalty Islands - Lifou

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN56_LIFOU)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4633')
Geographic::fromSRID(Geographic2D::EPSG_IGN56_LIFOU)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4633')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN56_LIFOU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4633')
```

Replaced by RGNC91-93 (CRS code 4749).

IGN63 Hiva Oa

Extent: French Polynesia - Marquesas Islands - Hiva Oa and Tahuata

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4689')
Geographic::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4689')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4689')
```

Replaced by RGPF, CRS code 4687.

IGN72 Grande Terre

Extent: New Caledonia - Grande Terre

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4662')
Geographic::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4662')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4662')
```

Replaced by RGNC91-93 (CRS code 4749).

IGN72 Nuku Hiva

Extent: French Polynesia - Marquesas Islands - Nuku Hiva, Ua Huka and Ua Pou

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4630')
Geographic::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4630')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4630')
```

Replaced by RGPF, CRS code 4687.

IGRS

Extent: Iraq - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGRS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::3889')
Geographic::fromSRID(Geographic2D::EPSG_IGRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3889')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3889')
```

IGS00

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGS00)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9006')
Geographic::fromSRID(Geographic2D::EPSG_IGS00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9006')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGS00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9006')
```

Adopted by the International GNSS Service (IGS) from 2001-12-02 through 2004-01-10. Replaces IGS97, replaced by IGb00 (CRS codes 9003 and 9009). For all practical purposes IGS00 is equivalent to ITRF2000.

IGS05

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGS05)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9012')
Geographic::fromSRID(Geographic2D::EPSG_IGS05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9012')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGS05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9012')
```

Adopted by the International GNSS Service (IGS) from 2006-11-05 through 2011-04-16. Replaces IGb00, replaced by IGS08 (CRS codes 9009 and 9014). For all practical purposes IGS05 is equivalent to ITRF2005.

IGS08

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGS08)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9014')
Geographic::fromSRID(Geographic2D::EPSG_IGS08)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9014')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGS08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9014')
```

Used for products from International GNSS Service (IGS) analysis centres from 2011-04-17 through 2012-10-06. Replaces IGS05 (code 9012). Replaced by IGb08 (code 9017). For most practical purposes IGS08 is equivalent to ITRF2008.

IGS14

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGS14)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9019')
Geographic::fromSRID(Geographic2D::EPSG_IGS14)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9019')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGS14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9019')
```

Used for products from the International GNSS Service (IGS) from 2017-01-29 to 2020-05-16. Replaces IGb08 (code 9017), replaced by IGb14 (code 9380). For most practical purposes IGS14 is equivalent to ITRF2014.

IGS20

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGS20)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10178')
Geographic::fromSRID(Geographic2D::EPSG_IGS20)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10178')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGS20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10178')
```

Used for products from the International GNSS Service (IGS) from 2022-11-27. Replaces IGb14 (code 9380). For most practical purposes IGS20 is equivalent to ITRF2020.

IGS97

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGS97)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9003')
Geographic::fromSRID(Geographic2D::EPSG_IGS97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9003')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGS97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9003')
```

Adopted by the International GNSS Service (IGS) from 2000-06-04 through 2001-12-01. Replaced by IGS00 (CRS code 9006). For all practical purposes IGS97 is equivalent to ITRF97.

IGb00

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGB00)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9009')
Geographic::fromSRID(Geographic2D::EPSG_IGB00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9009')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGB00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9009')
```

Adopted by the International GNSS Service (IGS) from 2004-01-11 through 2006-11-04. Replaces IGS00, replaced by IGS05 (CRS codes 9006 and 9012). For all practical purposes IGb00 is equivalent to ITRF2000.

IGb08

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGB08)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9017')
Geographic::fromSRID(Geographic2D::EPSG_IGB08)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9017')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGB08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9017')
```

Adopted by the International GNSS Service (IGS) from 2012-10-07 through 2017-01-28. Replaces IGS08, replaced by IGS14 (CRS codes 9014 and 9019). For all practical purposes IGb08 is equivalent to ITRF2008.

IGb14

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGB14)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9380')
Geographic::fromSRID(Geographic2D::EPSG_IGB14)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9380')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IGB14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9380')
```

Used for products from the International GNSS Service (IGS) from 2020-05-17. Replaces IGS14 (code 9019), replaced by IGS20 (code 10178). For most practical purposes IGb14 is equivalent to ITRF2014.

IKBD-92

Extent: Iraq - Kuwait boundary

```
Geographic2D::fromSRID(Geographic2D::EPSG_IKBD_92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4667')
Geographic::fromSRID(Geographic2D::EPSG_IKBD_92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4667')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IKBD_92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4667')
```

IRENET95

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_IRENET95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4173')
Geographic::fromSRID(Geographic2D::EPSG_IRENET95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4173')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IRENET95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4173')
```

ISN2004

Extent: Iceland - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5324')
Geographic::fromSRID(Geographic2D::EPSG_ISN2004)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5324')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ISN2004)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5324')
```

Replaces ISN93 (CRS code 4659). Replaced by ISN2016 (CRS code 8086).

ISN2016

Extent: Iceland - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8086')
Geographic::fromSRID(Geographic2D::EPSG_ISN2016)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8086')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ISN2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8086')
```

Replaces ISN2004 (CRS code 5324) from September 2017.

ISN93

Extent: Iceland - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ISN93)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4659')
Geographic::fromSRID(Geographic2D::EPSG_ISN93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4659')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ISN93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4659')
```

Replaced by ISN2004 (CRS code 5324).

ITRF2000

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8997')
Geographic::fromSRID(Geographic2D::EPSG_ITRF2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8997')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8997')
```

Replaces ITRF97 (code 8996). Replaced by ITRF2005 (code 8998).

ITRF2005

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2005)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8998')
Geographic::fromSRID(Geographic2D::EPSG_ITRF2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8998')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8998')
```

Replaces ITRF2000 (code 8997). Replaced by ITRF2008 (code 8999).

ITRF2008

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2008)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8999')
Geographic::fromSRID(Geographic2D::EPSG_ITRF2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8999')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8999')
```

Replaces ITRF2005 (code 8998). Replaced by ITRF2014 (code 9000).

ITRF2014

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2014)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9000')
Geographic::fromSRID(Geographic2D::EPSG_ITRF2014)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9000')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9000')
```

Replaces ITRF2008 (code 8999). Replaced by ITRF2020 (CRS code 9990).

ITRF2020

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2020)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9990')
Geographic::fromSRID(Geographic2D::EPSG_ITRF2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9990')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9990')
```

Replaces ITRF2014 (code 9000).

ITRF88

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF88)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8988')
Geographic::fromSRID(Geographic2D::EPSG_ITRF88)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8988')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF88)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8988')
```

Replaced by ITRF89 (code 8989).

ITRF89

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF89)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8989')
Geographic::fromSRID(Geographic2D::EPSG_ITRF89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8989')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8989')
```

Replaces ITRF88 (code 8988). Replaced by ITRF90 (code 8990).

ITRF90

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF90)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8990')
Geographic::fromSRID(Geographic2D::EPSG_ITRF90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8990')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8990')
```

Replaces ITRF89 (code 8989). Replaced by ITRF91 (code 8991).

ITRF91

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF91)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8991')
Geographic::fromSRID(Geographic2D::EPSG_ITRF91)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8991')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF91)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8991')
```

Replaces ITRF90 (code 8990). Replaced by ITRF92 (code 8992).

ITRF92

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8992')
Geographic::fromSRID(Geographic2D::EPSG_ITRF92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8992')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8992')
```

Replaces ITRF91 (code 8991). Replaced by ITRF93 (code 8993).

ITRF93

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF93)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8993')
Geographic::fromSRID(Geographic2D::EPSG_ITRF93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8993')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8993')
```

Replaces ITRF92 (code 8992). Replaced by ITRF94 (code 8994).

ITRF94

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8994')
Geographic::fromSRID(Geographic2D::EPSG_ITRF94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8994')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8994')
```

Replaces ITRF93 (code 8993). Replaced by ITRF96 (code 8995).

ITRF96

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8995')
Geographic::fromSRID(Geographic2D::EPSG_ITRF96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8995')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8995')
```

Replaces ITRF94 (code 8994). Replaced by ITRF97 (code 8996).

ITRF97

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF97)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8996')
Geographic::fromSRID(Geographic2D::EPSG_ITRF97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8996')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ITRF97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8996')
```

Replaces ITRF96 (code 8995). Replaced by ITRF2000 (code 8997).

Indian 1954

Extent: Myanmar (Burma) - onshore; Thailand - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1954)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4239')
Geographic::fromSRID(Geographic2D::EPSG_INDIAN_1954)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4239')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_INDIAN_1954)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4239')
```

Indian 1960

Extent: Cambodia - onshore; Vietnam - onshore and offshore Cuu Long basin

```
Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4131')
Geographic::fromSRID(Geographic2D::EPSG_INDIAN_1960)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4131')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_INDIAN_1960)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4131')
```

Indian 1975

Extent: Thailand - onshore plus offshore Gulf of Thailand

```
Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1975)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4240')
Geographic::fromSRID(Geographic2D::EPSG_INDIAN_1975)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4240')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_INDIAN_1975)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4240')
```

Israel 1993

Extent: Israel - onshore; Palestine Territory - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ISRAEL_1993)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4141')
Geographic::fromSRID(Geographic2D::EPSG_ISRAEL_1993)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4141')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ISRAEL_1993)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4141')
```

Replaces Palestine 1923 (CRS code 4281) from June 1998. Replaced by IGD05 (CRS code 6980) from January 2005.

Iwo Jima 1945

Extent: Japan - Iwo Jima island

```
Geographic2D::fromSRID(Geographic2D::EPSG_IWO_JIMA_1945)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4709')
Geographic::fromSRID(Geographic2D::EPSG_IWO_JIMA_1945)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4709')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_IWO_JIMA_1945)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4709')
```

JAD2001

Extent: Jamaica - onshore and offshore. Includes Morant Cays and Pedro Cays

```
Geographic2D::fromSRID(Geographic2D::EPSG_JAD2001)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4758')
Geographic::fromSRID(Geographic2D::EPSG_JAD2001)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4758')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JAD2001)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4758')
```

Replaces JAD69 (CRS code 4242).

JAD69

Extent: Jamaica - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_JAD69)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4242')
Geographic::fromSRID(Geographic2D::EPSG_JAD69)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4242')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JAD69)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4242')
```

Replaced by JAD2001 (CRS code 4758).

JGD2000

Extent: Japan - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4612')
Geographic::fromSRID(Geographic2D::EPSG_JGD2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4612')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4612')
```

Replaces Tokyo (CRS code 4301) from April 2002. From 21st October 2011 replaced by JGD2011 (CRS code 6668).

JGD2011

Extent: Japan - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6668')
Geographic::fromSRID(Geographic2D::EPSG_JGD2011)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6668')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JGD2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6668')
```

Replaces JGD2000 (CRS code 4612) with effect from 21st October 2011.

Jamaica 1875

Extent: Jamaica - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_JAMAICA_1875)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4241')
Geographic::fromSRID(Geographic2D::EPSG_JAMAICA_1875)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4241')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JAMAICA_1875)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4241')
```

Johnston Island 1961

Extent: United States Minor Outlying Islands - Johnston Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_JOHNSTON_ISLAND_1961)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4725')
Geographic::fromSRID(Geographic2D::EPSG_JOHNSTON_ISLAND_1961)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4725')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JOHNSTON_ISLAND_1961)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4725')
```

Jouik 1961

Extent: Mauritania - coastal area north of Cape Timiris

```
Geographic2D::fromSRID(Geographic2D::EPSG_JOUIK_1961)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4679')
Geographic::fromSRID(Geographic2D::EPSG_JOUIK_1961)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4679')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_JOUIK_1961)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4679')
```

Replaced by Mauritania 1999 (CRS code 4702).

KGD2002

Extent: Republic of Korea (South Korea) - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4737')
Geographic::fromSRID(Geographic2D::EPSG_KGD2002)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4737')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KGD2002)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4737')
```

KK-IRF

Extent: Denmark - onshore - Copenhagen and surrounding area

```
Geographic2D::fromSRID(Geographic2D::EPSG_KK_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10265')
Geographic::fromSRID(Geographic2D::EPSG_KK_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10265')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KK_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10265')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic Københavns Kommunes CRS and ETRS89 through CT ETRS89 to KK-IRF (1) (code 10267) used in conjunction with the GS LCC map projection (code 10257).

KKJ

Extent: Finland - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KKJ)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4123')
Geographic::fromSRID(Geographic2D::EPSG_KKJ)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4123')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KKJ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4123')
```

KOC

Extent: Kuwait - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KOC)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4246')
Geographic::fromSRID(Geographic2D::EPSG_KOC)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4246')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KOC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4246')
```

KOSOVAREF01

Extent: Kosovo

```
Geographic2D::fromSRID(Geographic2D::EPSG_KOSOVAREF01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9140')
Geographic::fromSRID(Geographic2D::EPSG_KOSOVAREF01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9140')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KOSOVAREF01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9140')
```

In Kosovo replaces MGI 1901 (CRS code 3906).

KSA-GRF17

Extent: Saudi Arabia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9333')
Geographic::fromSRID(Geographic2D::EPSG_KSA_GRF17)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9333')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KSA_GRF17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9333')
```

KUDAMS

Extent: Kuwait - Kuwait City

```
Geographic2D::fromSRID(Geographic2D::EPSG_KUDAMS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4319')
Geographic::fromSRID(Geographic2D::EPSG_KUDAMS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4319')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KUDAMS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4319')
```

Kalianpur 1880

Extent: Bangladesh - onshore; India - mainland onshore; Myanmar (Burma) - onshore; Pakistan - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4243')
Geographic::fromSRID(Geographic2D::EPSG_KALIANPUR_1880)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4243')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KALIANPUR_1880)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4243')
```

Kalianpur 1937

Extent: Bangladesh - onshore; India - mainland onshore; Myanmar - onshore and Moattama area offshore; Pakistan - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1937)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4144')
Geographic::fromSRID(Geographic2D::EPSG_KALIANPUR_1937)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4144')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KALIANPUR_1937)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4144')
```

Adopts 1937 metric conversion of 0.30479841 metres per Indian foot.

Kalianpur 1962

Extent: Pakistan - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4145')
Geographic::fromSRID(Geographic2D::EPSG_KALIANPUR_1962)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4145')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KALIANPUR_1962)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4145')
```

Adopts 1962 metric conversion of 0.3047996 metres per Indian foot.

Kalianpur 1975

Extent: India - mainland onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4146')
Geographic::fromSRID(Geographic2D::EPSG_KALIANPUR_1975)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4146')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KALIANPUR_1975)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4146')
```

Adopts 1975 metric conversion of 0.3047995 metres per Indian foot.

Kandawala

Extent: Sri Lanka - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KANDAWALA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4244')
Geographic::fromSRID(Geographic2D::EPSG_KANDAWALA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4244')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KANDAWALA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4244')
```

Karbala 1979

Extent: Iraq - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4743')
Geographic::fromSRID(Geographic2D::EPSG_KARBALA_1979)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4743')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KARBALA_1979)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4743')
```

Geodetic network established by Polservice consortium. Replaces Nahrwan 1934 (CRS code 4744). Replaced by IGRS (CRS code 3889). At time of record population, information regarding usage within oil sector is not available.

Kasai 1953

Extent: The Democratic Republic of the Congo (Zaire) - Kasai - south of 5°S and east of 21°30'E

```
Geographic2D::fromSRID(Geographic2D::EPSG_KASAI_1953)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4696')
Geographic::fromSRID(Geographic2D::EPSG_KASAI_1953)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4696')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KASAI_1953)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4696')
```

Katanga 1955

Extent: The Democratic Republic of the Congo (Zaire) - Katanga

```
Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4695')
Geographic::fromSRID(Geographic2D::EPSG_KATANGA_1955)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4695')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KATANGA_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4695')
```

Kertau (RSO)

Extent: Malaysia - West Malaysia; Singapore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_RSO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4751')
Geographic::fromSRID(Geographic2D::EPSG_KERTAU_RSO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4751')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KERTAU_RSO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4751')
```

Used only for metrication of RSO grid. See Kertau 1968 (CRS code 4245) for other purposes. Replaced by GDM2000 (CRS code 4742).

Kertau 1968

Extent: Malaysia - West Malaysia onshore and offshore east coast; Singapore - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4245')
Geographic::fromSRID(Geographic2D::EPSG_KERTAU_1968)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4245')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KERTAU_1968)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4245')
```

Not used for metrication of RSO grid - see Kertau (RSO) (CRS code 4751). Replaced by GDM2000 (CRS code 4742).

Korean 1985

Extent: Republic of Korea (South Korea) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4162')
Geographic::fromSRID(Geographic2D::EPSG_KOREAN_1985)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4162')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KOREAN_1985)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4162')
```

Replaces use of Tokyo datum. Replaced by KGD2002.

Korean 1995

Extent: Republic of Korea (South Korea) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1995)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4166')
Geographic::fromSRID(Geographic2D::EPSG_KOREAN_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4166')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KOREAN_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4166')
```

Kousseri

Extent: Cameroon - N'Djamena area

```
Geographic2D::fromSRID(Geographic2D::EPSG_KOUSSERI)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4198')
Geographic::fromSRID(Geographic2D::EPSG_KOUSSERI)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4198')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KOUSSERI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4198')
```

Kusaie 1951

Extent: Federated States of Micronesia - Kosrae (Kusaie)

```
Geographic2D::fromSRID(Geographic2D::EPSG_KUSAIE_1951)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4735')
Geographic::fromSRID(Geographic2D::EPSG_KUSAIE_1951)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4735')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KUSAIE_1951)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4735')
```

Kyrg-06

Extent: Kyrgyzstan

```
Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7686')
Geographic::fromSRID(Geographic2D::EPSG_KYRG_06)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7686')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_KYRG_06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7686')
```

Replaces usage of Pulkovo 1942 in Kyrgyzstan from 7th October 2010.

LGD2006

Extent: Libya - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4754')
Geographic::fromSRID(Geographic2D::EPSG_LGD2006)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4754')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LGD2006)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4754')
```

Replaces ELD79.

LKS-2020

Extent: Latvia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LKS_2020)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10305')
Geographic::fromSRID(Geographic2D::EPSG_LKS_2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10305')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LKS_2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10305')
```

Replaces LKS-92 (CRS code 4661).

LKS-92

Extent: Latvia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LKS_92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4661')
Geographic::fromSRID(Geographic2D::EPSG_LKS_92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4661')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LKS_92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4661')
```

Replaced by LKS-2020 (CRS code 10305).

LKS94

Extent: Lithuania - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LKS94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4669')
Geographic::fromSRID(Geographic2D::EPSG_LKS94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4669')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LKS94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4669')
```

LTF2004(G)

Extent: France and Italy - on or related to the rail route from Lyon to Turin

```
Geographic2D::fromSRID(Geographic2D::EPSG_LTF2004_G)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9547')
Geographic::fromSRID(Geographic2D::EPSG_LTF2004_G)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9547')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LTF2004_G)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9547')
```

LUREF

Extent: Luxembourg

```
Geographic2D::fromSRID(Geographic2D::EPSG_LUREF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4181')
Geographic::fromSRID(Geographic2D::EPSG_LUREF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4181')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LUREF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4181')
```

La Canoa

Extent: Venezuela - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4247')
Geographic::fromSRID(Geographic2D::EPSG_LA_CANOA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4247')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LA_CANOA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4247')
```

This CRS is incorporated within PSAD56. See CRS code 4248.

Lake

Extent: Venezuela - Lake Maracaibo area, onshore and offshore in lake

```
Geographic2D::fromSRID(Geographic2D::EPSG_LAKE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4249')
Geographic::fromSRID(Geographic2D::EPSG_LAKE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4249')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LAKE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4249')
```

Lao 1993

Extent: Laos

```
Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1993)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4677')
Geographic::fromSRID(Geographic2D::EPSG_LAO_1993)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4677')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LAO_1993)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4677')
```

Replaces Vientiane 1982. Replaced by Lao 1997. Lao 1993 coordinate values are within 1m of Lao 1997 values.

Lao 1997

Extent: Laos

```
Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1997)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4678')
Geographic::fromSRID(Geographic2D::EPSG_LAO_1997)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4678')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LAO_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4678')
```

Replaces Lao 1993 which in turn replaced Vientiane 1982. Lao 1993 coordinate values are within 1m of Lao 1997 values. Vientiane 1982 coordinate values are within 3m of Lao 1997 values.

Le Pouce 1934

Extent: Mauritius - mainland onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LE_POUCE_1934)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4699')
Geographic::fromSRID(Geographic2D::EPSG_LE_POUCE_1934)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4699')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LE_POUCE_1934)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4699')
```

Densified with a GPS-derived coordinate set for 80 stations in 1994. This 1994 coordinate set is sometimes referred to as “Mauritius 1994”.

Leigon

Extent: Ghana - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LEIGON)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4250')
Geographic::fromSRID(Geographic2D::EPSG_LEIGON)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4250')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LEIGON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4250')
```

Replaced Accra (code 4168) from 1978.

Liberia 1964

Extent: Liberia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LIBERIA_1964)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4251')
Geographic::fromSRID(Geographic2D::EPSG_LIBERIA_1964)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4251')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LIBERIA_1964)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4251')
```

Lisbon

Extent: Portugal - mainland - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LISBON)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4207')
Geographic::fromSRID(Geographic2D::EPSG_LISBON)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4207')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LISBON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4207')
```

Replaces Lisbon 1890 system which used Bessel 1841 ellipsoid (code 4666). Replaced by Datum 73 (code 4274).

Lisbon (Lisbon)

Extent: Portugal - mainland - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_LISBON)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4803')
Geographic::fromSRID(Geographic2D::EPSG_LISBON_LISBON)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4803')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LISBON_LISBON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4803')
```

Replaces Lisbon 1890 (Lisbon) system which used Bessel 1841 ellipsoid (code 4904). Replaced by Datum 73 (code 4274).

Lisbon 1890

Extent: Portugal - mainland - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4666')
Geographic::fromSRID(Geographic2D::EPSG_LISBON_1890)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4666')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LISBON_1890)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4666')
```

Replaced by Lisbon 1937 system which uses International 1924 ellipsoid (code 4207).

Lisbon 1890 (Lisbon)

Extent: Portugal - mainland - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890_LISBON)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4904')
Geographic::fromSRID(Geographic2D::EPSG_LISBON_1890_LISBON)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4904')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LISBON_1890_LISBON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4904')
```

Replaced by Lisbon 1937 system which uses International 1924 ellipsoid (code 4803).

Locodjo 1965

Extent: Côte d'Ivoire (Ivory Coast) - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LOCODJO_1965)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4142')
Geographic::fromSRID(Geographic2D::EPSG_LOCODJO_1965)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4142')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LOCODJO_1965)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4142')
```

Replaced by Abidjan 1987 (EPSG code 4143).

Loma Quintana

Extent: Venezuela - onshore north of approximately 7°45'N

```
Geographic2D::fromSRID(Geographic2D::EPSG_LOMA_QUINTANA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4288')
Geographic::fromSRID(Geographic2D::EPSG_LOMA_QUINTANA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4288')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LOMA_QUINTANA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4288')
```

Replaced by La Canoa (code 4247).

Lome

Extent: Togo - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LOME)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4252')
Geographic::fromSRID(Geographic2D::EPSG_LOME)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4252')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LOME)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4252')
```

Luzon 1911

Extent: Philippines - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4253')
Geographic::fromSRID(Geographic2D::EPSG_LUZON_1911)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4253')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_LUZON_1911)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4253')
```

Replaced by PRS92 (CRS code 4683).

M'poraloko

Extent: Gabon - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MPORALOKO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4266')
Geographic::fromSRID(Geographic2D::EPSG_MPORALOKO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4266')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MPORALOKO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4266')
```

MACARIO SOLIS

Extent: Panama - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MACARIO_SOLIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5371')
Geographic::fromSRID(Geographic2D::EPSG_MACARIO_SOLIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5371')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MACARIO_SOLIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5371')
```

MAGNA-SIRGAS

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4686')
Geographic::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4686')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4686')
```

Replaces Bogota 1975 (CRS code 4218). For high accuracy purposes replaced by MAGNA-SIRGAS 2018 (code 20046).

MAGNA-SIRGAS 2018

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::20046')
Geographic::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::20046')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20046')
```

Replaces MAGNA-SIRGAS (CRS code 4686) for high accuracy purposes. Change is approximately 0.31m in latitude, 0.02m in longitude. For mapping and cadastral purposes considered equivalent.

MALS09-IRF

Extent: United Kingdom (UK) - on or related to the rail route from London (Marylebone) to Leamington Spa

```
Geographic2D::fromSRID(Geographic2D::EPSG_MALS09_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10224')
Geographic::fromSRID(Geographic2D::EPSG_MALS09_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10224')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MALS09_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10224')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / MALS09 SnakeGrid projected CRS through transformation ETRS89 to MALS09-IRF (1) (code 10225) used in conjunction with the MALS09-TM map projection (code 10226).

MARGEN

Extent: Bolivia

```
Geographic2D::fromSRID(Geographic2D::EPSG_MARGEN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5354')
Geographic::fromSRID(Geographic2D::EPSG_MARGEN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5354')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MARGEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5354')
```

Replaces PSAD56 (CRS code 4248) in Bolivia

MGI

Extent: Austria

```
Geographic2D::fromSRID(Geographic2D::EPSG_MGI)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4312')
Geographic::fromSRID(Geographic2D::EPSG_MGI)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4312')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MGI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4312')
```

Retrospectively defined as derived after the introduction of geographic 3D CRS (code 9267).

MGI (Ferro)

Extent: Austria. Bosnia and Herzegovina. Croatia - onshore. Kosovo. Montenegro - onshore. North Macedonia. Serbia. Slovenia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4805')
Geographic::fromSRID(Geographic2D::EPSG_MGI_FERRO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4805')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MGI_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4805')
```

Replaced by MGI (CRS code 4312) in Austria and MGI 1901 (CRS code 3906) in former Yugoslavia.

MGI 1901

Extent: Bosnia and Herzegovina; Croatia - onshore; Kosovo; Montenegro - onshore; North Macedonia; Serbia; Slovenia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::3906')
Geographic::fromSRID(Geographic2D::EPSG_MGI_1901)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3906')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MGI_1901)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3906')
```

Adopted in 1924 replacing MGI (Ferro) (CRS code 4805). Densified in 1948. In Slovenia replaced by D96 (CRS code 4765). In Croatia replaced by HTRS96 (CRS code 4761). In Serbia replaced by SREF98 and then by SRB_ETRS89 (STRS00) (CRS codes 4075 and 8691).

MML07-IRF

Extent: United Kingdom (UK) - on or related to the Midland Mainline rail route from Sheffield to London

```
Geographic2D::fromSRID(Geographic2D::EPSG_MML07_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9372')
Geographic::fromSRID(Geographic2D::EPSG_MML07_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9372')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MML07_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9372')
```

Intermediate CRS created in 2020 to assist the emulation of the ETRS89 / MML07 SnakeGrid projected CRS t(code 9373) hrough transformation ETRS89 to MML07-IRF (1) (code 9369) used in conjunction with the MML07-TM map projection (code 9370).

MMN

Extent: Argentina - Tierra del Fuego onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MMN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9251')
Geographic::fromSRID(Geographic2D::EPSG_MMN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9251')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MMN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9251')
```

MMS

Extent: Argentina - Tierra del Fuego onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MMS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9253')
Geographic::fromSRID(Geographic2D::EPSG_MMS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9253')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MMS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9253')
```

MOLDOR11-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Ordsall Lane and the Hope Valley to Dore Junction

```
Geographic2D::fromSRID(Geographic2D::EPSG_MOLDOR11_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9871')
Geographic::fromSRID(Geographic2D::EPSG_MOLDOR11_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9871')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MOLDOR11_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9871')
```

Intermediate CRS created in 2021 to assist the emulation of the ETRS89 / MOLDOR11 SnakeGrid projected CRS through transformation ETRS89 to MOLDOR11-IRF (1) (code 9878) used in conjunction with the MOLDOR11-TM map projection (code 9879).

MOLDREF99

Extent: Moldova

```
Geographic2D::fromSRID(Geographic2D::EPSG_MOLDREF99)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4023')
Geographic::fromSRID(Geographic2D::EPSG_MOLDREF99)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4023')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MOLDREF99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4023')
```

MOP78

Extent: Wallis and Futuna - Wallis

```
Geographic2D::fromSRID(Geographic2D::EPSG_MOP78)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4639')
Geographic::fromSRID(Geographic2D::EPSG_MOP78)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4639')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MOP78)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4639')
```

Replaced by RGWF96 (CRS code 8900) for geodetic survey and RGWF96 (lon-lat) (CRS code 8902) for GIS.

MRH21-IRF

Extent: United Kingdom (UK) - on or related to Midland Rail Hub, covering routes through Cardiff, Bristol, Gloucester, Derby, Birmingham, Leicester, and Lincoln

```
Geographic2D::fromSRID(Geographic2D::EPSG_MRH21_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9866')
Geographic::fromSRID(Geographic2D::EPSG_MRH21_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9866')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MRH21_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9866')
```

Intermediate CRS created in 2021 to assist the emulation of the ETRS89 / MRH21 SnakeGrid projected CRS through transformation ETRS89 to MRH21-IRF (1) (code 9867) used in conjunction with the MRH21-TM map projection (code 9868).

MTRF-2000

Extent: Saudi Arabia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8818')
Geographic::fromSRID(Geographic2D::EPSG_MTRF_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8818')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MTRF_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8818')
```

Replaces Ain el Abd (CRS 4204) in Saudi Arabia.

MWC18-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Wigan and Liverpool to Chester

```
Geographic2D::fromSRID(Geographic2D::EPSG_MWC18_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::20033')
Geographic::fromSRID(Geographic2D::EPSG_MWC18_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::20033')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MWC18_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20033')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / MWC18 SnakeGrid projected CRS through transformation ETRS89 to MWC18 (1) (code 10108) used in conjunction with the MWC18-TM map projection (code 10127).

Macao 1920

Extent: China - Macao - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_1920)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8428')
Geographic::fromSRID(Geographic2D::EPSG_MACAO_1920)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8428')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MACAO_1920)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8428')
```

Macao 2008

Extent: China - Macao - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_2008)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8431')
Geographic::fromSRID(Geographic2D::EPSG_MACAO_2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8431')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MACAO_2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8431')
```

Locally sometimes referred to as ITRF2005, this is not strictly correct.

Madrid 1870 (Madrid)

Extent: Spain - mainland onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MADRID_1870_MADRID)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4903')
Geographic::fromSRID(Geographic2D::EPSG_MADRID_1870_MADRID)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4903')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MADRID_1870_MADRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4903')
```

Replaced by ED50 in 1970.

Madzansua

Extent: Mozambique - west - Tete province

```
Geographic2D::fromSRID(Geographic2D::EPSG_MADZANSUA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4128')
Geographic::fromSRID(Geographic2D::EPSG_MADZANSUA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4128')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MADZANSUA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4128')
```

Replaced by values transformed to Tete GeogCRS (code 4127).

Mahe 1971

Extent: Seychelles - Mahe Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAHE_1971)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4256')
Geographic::fromSRID(Geographic2D::EPSG_MAHE_1971)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4256')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAHE_1971)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4256')
```

This CRS has no known local application. South East Island 1943 (CRS codes 6892 and 6915) is used for topographic mapping, cadastral and hydrographic survey.

Makassar

Extent: Indonesia - south west Sulawesi

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4257')
Geographic::fromSRID(Geographic2D::EPSG_MAKASSAR)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4257')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAKASSAR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4257')
```

Makassar (Jakarta)

Extent: Indonesia - south west Sulawesi

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR_JAKARTA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4804')
Geographic::fromSRID(Geographic2D::EPSG_MAKASSAR_JAKARTA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4804')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAKASSAR_JAKARTA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4804')
```

Malongo 1987

Extent: Angola (Cabinda) - offshore; The Democratic Republic of the Congo (Zaire) - offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MALONGO_1987)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4259')
Geographic::fromSRID(Geographic2D::EPSG_MALONGO_1987)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4259')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MALONGO_1987)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4259')
```

Replaced Mhast (offshore) (CRS code 4705) in 1987. References to "Mhast" since 1987 often should have stated "Malongo 1987".

Manoca 1962

Extent: Cameroon - coastal area

```
Geographic2D::fromSRID(Geographic2D::EPSG_MANOCA_1962)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4193')
Geographic::fromSRID(Geographic2D::EPSG_MANOCA_1962)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4193')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MANOCA_1962)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4193')
```

Replaces Doula 1948 (code 4192). The intent of the Bukavu 1953 conference was to adopt the Clarke 1880 (RGS) ellipsoid (code 7012) but in practice this CRS has used the IGN version.

Marcus Island 1952

Extent: Japan - onshore - Tokyo-to south of 28°N and east of 143°E - Minamitori-shima (Marcus Island)

```
Geographic2D::fromSRID(Geographic2D::EPSG_MARCUS_ISLAND_1952)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4711')
Geographic::fromSRID(Geographic2D::EPSG_MARCUS_ISLAND_1952)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4711')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MARCUS_ISLAND_1952)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4711')
```

Marshall Islands 1960

Extent: Marshall Islands - onshore. Wake atoll onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MARSHALL_ISLANDS_1960)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4732')
Geographic::fromSRID(Geographic2D::EPSG_MARSHALL_ISLANDS_1960)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4732')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MARSHALL_ISLANDS_1960)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4732')
```

Martinique 1938

Extent: Martinique - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MARTINIQUE_1938)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4625')
Geographic::fromSRID(Geographic2D::EPSG_MARTINIQUE_1938)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4625')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MARTINIQUE_1938)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4625')
```

Replaced by RRAF 1991 (CRS code 4558).

Massawa

Extent: Eritrea - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MASSAWA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4262')
Geographic::fromSRID(Geographic2D::EPSG_MASSAWA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4262')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MASSAWA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4262')
```

Maupiti 83

Extent: French Polynesia - Society Islands - Maupiti

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAUPITI_83)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4692')
Geographic::fromSRID(Geographic2D::EPSG_MAUPITI_83)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4692')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAUPITI_83)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4692')
```

Replaced by RGPF, CRS code 4687.

Mauritania 1999

Extent: Mauritania - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MAURITANIA_1999)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4702')
Geographic::fromSRID(Geographic2D::EPSG_MAURITANIA_1999)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4702')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MAURITANIA_1999)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4702')
```

Replaces all earlier CRSs.

Merchich

Extent: Africa - Morocco and Western Sahara - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MERCHICH)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4261')
Geographic::fromSRID(Geographic2D::EPSG_MERCHICH)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4261')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MERCHICH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4261')
```

Mexico ITRF2008

Extent: Mexico - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6365')
Geographic::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6365')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6365')
```

Replaces Mexico ITRF92 (CRS code 4483) from December 2010.

Mexico ITRF92

Extent: Mexico - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4483')
Geographic::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4483')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4483')
```

Replaces NAD27 (CRS code 4267). Replaced by Mexico ITRF2008 (CRS code 6365) from December 2010.

Mhast (offshore)

Extent: Angola (Cabinda) - offshore; The Democratic Republic of the Congo (Zaire) - offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_OFFSHORE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4705')
Geographic::fromSRID(Geographic2D::EPSG_MHAST_OFFSHORE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4705')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MHAST_OFFSHORE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4705')
```

Used by CABGOC. Differs from Mhast (onshore) by approximately 10m. Replaced by Malongo 1987 (CRS code 4259) in 1987.

Mhast (onshore)

Extent: Angola (Cabinda) - onshore and offshore; The Democratic Republic of the Congo (Zaire) - onshore coastal area and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_ONSHORE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4704')
Geographic::fromSRID(Geographic2D::EPSG_MHAST_ONSHORE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4704')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MHAST_ONSHORE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4704')
```

Adopted by CABGOC with intention of being Mhast 1951 (CRS code 4703) but because it uses a different ellipsoid it is a different system. From 1979, offshore use replaced by Mhast (offshore) (CRS code 4705) from which this CRS differes by approx. 10m.

Mhast 1951

Extent: Angola - Cabinda

```
Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_1951)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4703')
Geographic::fromSRID(Geographic2D::EPSG_MHAST_1951)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4703')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MHAST_1951)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4703')
```

A variation of this system has been adopted by the oil industry but using the International 1924 ellipsoid - see Mhast (onshore) and Mhast (offshore) (codes 4704 and 4705).

Midway 1961

Extent: United States Minor Outlying Islands - Midway Islands - Sand Island and Eastern Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_MIDWAY_1961)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4727')
Geographic::fromSRID(Geographic2D::EPSG_MIDWAY_1961)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4727')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MIDWAY_1961)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4727')
```

Minna

Extent: Nigeria - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MINNA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4263')
Geographic::fromSRID(Geographic2D::EPSG_MINNA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4263')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MINNA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4263')
```

Monte Mario

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4265')
Geographic::fromSRID(Geographic2D::EPSG_MONTE_MARIO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4265')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MONTE_MARIO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4265')
```

Monte Mario (Rome)

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO_ROME)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4806')
Geographic::fromSRID(Geographic2D::EPSG_MONTE_MARIO_ROME)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4806')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MONTE_MARIO_ROME)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4806')
```

Montserrat 1958

Extent: Montserrat - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MONTSERRAT_1958)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4604')
Geographic::fromSRID(Geographic2D::EPSG_MONTSERRAT_1958)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4604')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MONTSERRAT_1958)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4604')
```

Moorea 87

Extent: French Polynesia - Society Islands - Moorea

```
Geographic2D::fromSRID(Geographic2D::EPSG_MOOREA_87)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4691')
Geographic::fromSRID(Geographic2D::EPSG_MOOREA_87)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4691')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MOOREA_87)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4691')
```

Replaces Tahiti 52 (CRS code 4628) in Moorea. Replaced by RGPF (CRS code 4687).

Mount Dillon

Extent: Trinidad and Tobago - Tobago - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MOUNT_DILLON)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4157')
Geographic::fromSRID(Geographic2D::EPSG_MOUNT_DILLON)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4157')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MOUNT_DILLON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4157')
```

Moznet

Extent: Mozambique - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_MOZNET)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4130')
Geographic::fromSRID(Geographic2D::EPSG_MOZNET)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4130')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_MOZNET)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4130')
```

NAD27

Extent: North and central America: Antigua and Barbuda - onshore. Bahamas - onshore plus offshore over internal continental shelf only. Belize - onshore. British Virgin Islands - onshore. Canada onshore - Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland and Labrador, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Quebec, Saskatchewan and Yukon - plus offshore east coast. Cuba - onshore and offshore. El Salvador - onshore. Guatemala - onshore. Honduras - onshore. Panama - onshore. Puerto Rico - onshore. Mexico - onshore plus offshore east coast. Nicaragua - onshore. United States (USA) onshore and offshore - Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming - plus offshore . US Virgin Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD27)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4267')
Geographic::fromSRID(Geographic2D::EPSG_NAD27)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4267')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4267')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaced by NAD27(76) (code 4608) in Ontario, CGQ77 (code 4609) in Quebec, Mexican Datum of 1993 (code 4483) in Mexico, NAD83 (code 4269) in Canada (excl. Ontario & Quebec) & USA.

NAD27(76)

Extent: Canada - Ontario

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4608')
Geographic::fromSRID(Geographic2D::EPSG_NAD27_76)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4608')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD27_76)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4608')
```

Note: this CRS includes longitudes which are POSITIVE EAST.

NAD27(CGQ77)

Extent: Canada - Quebec

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4609')
Geographic::fromSRID(Geographic2D::EPSG_NAD27_CGQ77)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4609')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD27_CGQ77)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4609')
```

Note: this CRS includes longitudes which are POSITIVE EAST.

NAD83

Extent: North America - onshore and offshore: Canada - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon. Puerto Rico. United States (USA) - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Hawaii; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands. British Virgin Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4269')
Geographic::fromSRID(Geographic2D::EPSG_NAD83)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4269')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4269')
```

Longitude is POSITIVE EAST. The adjustment included connections to Greenland and Mexico but the system was not adopted there. For applications with an accuracy of better than 1m replaced by NAD83(HARN) in the US and PRVI and by NAD83(CSRS) in Canada.

NAD83(2011)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6318')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_2011)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6318')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6318')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(CORS96) and NAD83(NSRS2007) (CRS codes 6783 and 4759).

NAD83(CORS96)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6783')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CORS96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6783')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CORS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6783')
```

Note: this CRS includes POSITIVE EAST longitudes. Replaced by NAD83(2011) (CRS code 6318) from 2011-09-06.

NAD83(CSRS)

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4617')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4617')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4617')
```

Includes all versions of NAD83(CSRS) from v2 [CSRS98] onwards without specific identification. As such it has an accuracy of approximately 1m. Note: this CRS includes longitudes which are POSITIVE EAST.

NAD83(CSRS)v2

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8237')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8237')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8237')
```

Adopted by the Canadian federal government from 1998-01-01 and by the provincial governments of British Columbia, New Brunswick, Prince Edward Island and Quebec. Replaces NAD83(CSRS96). Replaced by NAD83(CSRS)v3 (code 8240). Longitudes are POSITIVE EAST.

NAD83(CSRS)v3

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8240')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8240')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8240')
```

Adopted by the Canadian federal government from 1999-01-01 and by the provincial governments of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario and Saskatchewan. Replaces NAD83(CSRS)v2. Replaced by NAD83(CSRS)v4.

NAD83(CSRS)v4

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8246')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8246')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8246')
```

Adopted by the Canadian federal government from 2002-01-01 and by the provincial governments of Alberta and British Columbia. Replaces NAD83(CSRS)v3. Replaced by NAD83(CSRS)v5 (CRS code 8249). Longitudes are POSITIVE EAST.

NAD83(CSRS)v5

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V5)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8249')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V5)
```

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```
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8249')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8249')
```

Adopted by the Canadian federal government from 2006-01-01. Replaces NAD83(CSRS)v4. Replaced by NAD83(CSRS)v6 (CRS code 8252). Longitudes are POSITIVE EAST.

NAD83(CSRS)v6

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8252')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8252')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8252')
```

Adopted by the Canadian federal government from 2010-01-01 and the provincial governments of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario and Prince Edward Island. Replaces NAD83(CSRS)v5. Replaced by NAD83(CSRS)v7.

NAD83(CSRS)v7

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8255')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8255')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8255')
```

Adopted by the Canadian federal government from 2017-05-01 and the provincial government of Alberta. Replaces NAD83(CSRS)v6. Replaced by NAD83(CSRS)v8. Longitudes are POSITIVE EAST.

NAD83(CSRS)v8

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10414')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10414')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10414')
```

Adopted by the Canadian federal government from 2022-11-27. Replaces NAD83(CSRS)v7. Longitudes are POSITIVE EAST.

NAD83(CSRS96)

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8232')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_CSRS96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8232')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_CSRS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8232')
```

Adopted by the Canadian federal government from 1996-01-01. Replaced by NAD83(CSRS)v2 (CRS code 8237). Note: this CRS includes longitudes which are POSITIVE EAST.

NAD83(FBN)

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands - onshore. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - CONUS - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming - onshore plus Gulf of Mexico offshore continental shelf (GoM OCS). US Virgin Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_FBN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8860')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_FBN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8860')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_FBN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8860')
```

In Continental US, American Samoa, Guam/NMI and PRVI, replaces NAD83(HARN). In Continental US, Puerto Rico and US Virgin Islands replaced by NAD83(NSRS2007). In American Samoa and Hawaii replaced by NAD83(PA11). In Guam/NMI replaced by NAD83(MA11).

NAD83(HARN Corrected)

Extent: Puerto Rico and US Virgin Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN_CORRECTED)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8545')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_HARN_CORRECTED)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8545')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_HARN_CORRECTED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8545')
```

Note: this CRS includes POSITIVE EAST longitudes. In PRVI replaces NAD83(HARN) = NAD83(1993 PRVI) to correct errors. Replaced by NAD83(FBN) = NAD83(2002 PRVI).

NAD83(HARN)

Extent: American Samoa - onshore - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - onshore Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming; offshore Gulf of Mexico continental shelf (GoM OCS). US Virgin Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4152')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_HARN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4152')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_HARN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4152')
```

In CONUS, AK, HI and PRVI replaces NAD83 for applications with an accuracy of better than 1m. Replaced by NAD83(FBN) in CONUS, American Samoa and Guam / NMI, by NAD83(NSRS2007) in Alaska, by NAD83(PA11) in Hawaii and by NAD83(HARN Corrected) in PRVI.

NAD83(MA11)

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6325')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_MA11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6325')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_MA11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6325')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam.

NAD83(MARP00)

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MARP00)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9072')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_MARP00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9072')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_MARP00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9072')
```

Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam. Replaced by NAD83(MA11).

NAD83(NSRS2007)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4759')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4759')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4759')
```

Note: this CRS includes POSITIVE EAST longitudes. Replaces NAD83(HARN) and NAD83(FBN). Replaced by NAD83(2011).

NAD83(PA11)

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6322')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_PA11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6322')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_PA11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6322')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa.

NAD83(PACP00)

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PACP00)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9075')
Geographic::fromSRID(Geographic2D::EPSG_NAD83_PACP00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9075')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAD83_PACP00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9075')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa. Replaced by NAD83(PA11).

NEA74 Noumea

Extent: New Caledonia - Grande Terre - Noumea district

```
Geographic2D::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4644')
Geographic::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4644')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4644')
```

Replaced by RGNC91-93 (CRS code 4749).

NGN

Extent: Kuwait - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NGN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4318')
Geographic::fromSRID(Geographic2D::EPSG_NGN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4318')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NGN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4318')
```

NGO 1948

Extent: Norway - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4273')
Geographic::fromSRID(Geographic2D::EPSG_NGO_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4273')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NGO_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4273')
```

NGO 1948 (Oslo)

Extent: Norway - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4817')
Geographic::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4817')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4817')
```

NSIDC Authalic Sphere

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_NSIDC_AUTHALIC_SPHERE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10346')
Geographic::fromSRID(Geographic2D::EPSG_NSIDC_AUTHALIC_SPHERE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10346')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NSIDC_AUTHALIC_SPHERE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10346')
```

Adopted by NSIDC for use with EASE-Grid v1. For EASE-Grid v2, WGS 84 is used.

NSWC 9Z-2

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_NSWC_9Z_2)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4276')
Geographic::fromSRID(Geographic2D::EPSG_NSWC_9Z_2)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4276')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NSWC_9Z_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4276')
```

NTF

Extent: France - onshore - mainland and Corsica

```
Geographic2D::fromSRID(Geographic2D::EPSG_NTF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4275')
Geographic::fromSRID(Geographic2D::EPSG_NTF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4275')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NTF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4275')
```

NTF (Paris)

Extent: France - onshore - mainland and Corsica

```
Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4807')
Geographic::fromSRID(Geographic2D::EPSG_NTF_PARIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4807')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NTF_PARIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4807')
```

NZGD2000

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4167')
Geographic::fromSRID(Geographic2D::EPSG_NZGD2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4167')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NZGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4167')
```

Replaces NZGD49 (code 4272) and CI79 (code 4673) from March 2000.

NZGD49

Extent: New Zealand - North Island, South Island, Stewart Island - onshore and nearshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4272')
Geographic::fromSRID(Geographic2D::EPSG_NZGD49)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4272')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NZGD49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4272')
```

Replaced by NZGD2000 (CRS code 4167) in March 2000.

Nahrwan 1934

Extent: Iraq - onshore; Iran - onshore northern Gulf coast and west bordering southeast Iraq

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1934)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4744')
Geographic::fromSRID(Geographic2D::EPSG_NAHRWAN_1934)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4744')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAHRWAN_1934)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4744')
```

In Iran, replaced by FD58. In Iraq, replaced by Karbala 1979.

Nahrwan 1967

Extent: Arabian Gulf; Qatar - offshore; United Arab Emirates (UAE) - Abu Dhabi; Dubai; Sharjah; Ajman; Fujairah; Ras Al Kaimah; Umm Al Qaiwain - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1967)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4270')
Geographic::fromSRID(Geographic2D::EPSG_NAHRWAN_1967)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4270')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAHRWAN_1967)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4270')
```

Nakhl-e Ghanem

Extent: Iran - Kangan district

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAKHL_E_GHANEM)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4693')
Geographic::fromSRID(Geographic2D::EPSG_NAKHL_E_GHANEM)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4693')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAKHL_E_GHANEM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4693')
```

Naparima 1955

Extent: Trinidad and Tobago - Trinidad - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAPARIMA_1955)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4158')
Geographic::fromSRID(Geographic2D::EPSG_NAPARIMA_1955)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4158')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAPARIMA_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4158')
```

Extended to Tobago as Naparima 1972. (Note: Naparima 1972 is not used in Trinidad).

Naparima 1972

Extent: Trinidad and Tobago - Tobago - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAPARIMA_1972)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4271')
Geographic::fromSRID(Geographic2D::EPSG_NAPARIMA_1972)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4271')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NAPARIMA_1972)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4271')
```

Naparima 1972 is an extension to Tobago of the Naparima 1955 network of Trinidad.

Nepal 1981

Extent: Nepal

```
Geographic2D::fromSRID(Geographic2D::EPSG_NEPAL_1981)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6207')
Geographic::fromSRID(Geographic2D::EPSG_NEPAL_1981)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6207')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NEPAL_1981)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6207')
```

Adopts 1937 metric conversion of 0.30479841 metres per Indian foot.

New Beijing

Extent: China - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4555')
Geographic::fromSRID(Geographic2D::EPSG_NEW_BEIJING)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4555')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NEW_BEIJING)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4555')
```

Replaces Beijing 1954 (CRS code 4214). Replaced by CGCS2000 (code 4490).

Nord Sahara 1959

Extent: Algeria - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4307')
Geographic::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4307')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4307')
```

Sometimes incorrectly referred to as Voirol Unifie 1960: this is NOT a GeogCRS but two projected CRSs based on Nord Sahara 1959 (codes 30791-92). Strictly applicable only to north of 32°N but extended southwards non-homogoneously by oil industry.

Nouakchott 1965

Extent: Mauritania - coastal area south of Cape Timiris

```
Geographic2D::fromSRID(Geographic2D::EPSG_NOUAKCHOTT_1965)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4680')
Geographic::fromSRID(Geographic2D::EPSG_NOUAKCHOTT_1965)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4680')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_NOUAKCHOTT_1965)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4680')
```

Replaced by Mauritania 1999 (CRS code 4702).

ONGD14

Extent: Oman - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ONGD14)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7373')
Geographic::fromSRID(Geographic2D::EPSG_ONGD14)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7373')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ONGD14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7373')
```

In Oman replaces usage of WGS 84 (G873) from 2014. Replaced by ONGD17 (CRS code 9294) from March 2019.

ONGD17

Extent: Oman - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ONGD17)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9294')
Geographic::fromSRID(Geographic2D::EPSG_ONGD17)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9294')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ONGD17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9294')
```

Replaces ONGD14 (CRS code 7373) from March 2019.

OS(SN)80

Extent: Ireland - onshore. United Kingdom (UK) - onshore - England; Scotland; Wales; Northern Ireland. Isle of Man

```
Geographic2D::fromSRID(Geographic2D::EPSG_OS_SN_80)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4279')
Geographic::fromSRID(Geographic2D::EPSG_OS_SN_80)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4279')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OS_SN_80)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4279')
```

OSGB36

Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland). Isle of Man onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_OSGB36)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4277')
Geographic::fromSRID(Geographic2D::EPSG_OSGB36)
```

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```
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4277')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OSGB36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4277')
```

OSGB70

Extent: United Kingdom (UK) - Great Britain - England and Wales onshore, Scotland onshore and Western Isles nearshore including Sea of the Hebrides and The Minch; Isle of Man onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_OSGB70)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4278')
Geographic::fromSRID(Geographic2D::EPSG_OSGB70)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4278')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OSGB70)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4278')
```

OSNI 1952

Extent: United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_OSNI_1952)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4188')
Geographic::fromSRID(Geographic2D::EPSG_OSNI_1952)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4188')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OSNI_1952)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4188')
```

Replaced by 1975 Mapping Adjustment alias TM75. See CRS code 4300.

Observatario

Extent: Mozambique - south

```
Geographic2D::fromSRID(Geographic2D::EPSG_OBSERVATARIO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4129')
Geographic::fromSRID(Geographic2D::EPSG_OBSERVATARIO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4129')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OBSERVATARIO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4129')
```

Replaced by values transformed to Tete geogCRS (code 4127).

Ocotepeque 1935

Extent: Costa Rica; El Salvador; Guatemala; Honduras; Nicaragua

```
Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5451')
Geographic::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5451')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5451')
```

Replaced in Costa Rica by Costa Rica 2005 (CR05) from March 2007 and replaced in El Salvador by SIRGAS_ES2007 from August 2007.

Old Hawaiian

Extent: United States (USA) - Hawaii - main islands onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4135')
Geographic::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4135')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4135')
```

Note: this CRS includes longitudes which are POSITIVE EAST.

Ostenfeld-IRF

Extent: Denmark - onshore northern Schleswig and surrounding islands (i.e. Jutland south of the pre-1920 border near the Kongea river)

```
Geographic2D::fromSRID(Geographic2D::EPSG_OSTENFELD_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10268')
Geographic::fromSRID(Geographic2D::EPSG_OSTENFELD_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10268')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OSTENFELD_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10268')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic Ostenfeld CRS and ETRS89 through transformation ETRS89 to Ostenfeld-IRF (1) (code 10271) used with the Ostenfeld-reconstruction map projection (code 10269).

OxWo08-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Oxford to Worcester

```
Geographic2D::fromSRID(Geographic2D::EPSG_OXWO08_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10229')
Geographic::fromSRID(Geographic2D::EPSG_OXWO08_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10229')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_OXWO08_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10229')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / OxWo08 SnakeGrid projected CRS through transformation ETRS89 to OxWo08-IRF (1) (code 10230) used in conjunction with the OxWo08-TM map projection (code 10234).

PD/83

Extent: Germany - Thuringen

```
Geographic2D::fromSRID(Geographic2D::EPSG_PD_83)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4746')
Geographic::fromSRID(Geographic2D::EPSG_PD_83)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4746')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PD_83)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4746')
```

Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications PD/83 can be considered the same as DHDN.

PN68

Extent: Spain - Canary Islands onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PN68)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9403')
Geographic::fromSRID(Geographic2D::EPSG_PN68)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9403')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PN68)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9403')
```

On western islands (El Hierro, La Gomera, La Palma and Tenerife) replaced by PN84 (CRS code 4728) and later by REGCAN95 (CRS code 4081). On eastern islands (Fuerteventura, Gran Canaria and Lanzarote) replaced by REGCAN95 (CRS code 4081).

PN84

Extent: Spain - Canary Islands - El Hierro, La Gomera, La Palma and Tenerife - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PN84)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4728')
Geographic::fromSRID(Geographic2D::EPSG_PN84)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4728')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PN84)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4728')
```

Replaces PN68 (CRS code 9403) only on western islands (El Hierro, La Gomera, La Palma and Tenerife). Replaced by REGCAN95 (CRS code 4081).

PNG94

Extent: Papua New Guinea - onshore and offshore. Includes Bismark archipelago, Louisade archipelago, Admiralty Islands, d'Entrecasteaux Islands, northern Solomon Islands, Trobriand Islands, New Britain, New Ireland, Woodlark, and associated islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_PNG94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5546')
Geographic::fromSRID(Geographic2D::EPSG_PNG94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5546')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PNG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5546')
```

Adopted 1996, replacing AGD66.

POSGAR 2007

Extent: Argentina - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5340')
Geographic::fromSRID(Geographic2D::EPSG_POSGAR_2007)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5340')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_POSGAR_2007)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5340')
```

Adopted as official replacement of POSGAR 94 in May 2009. Also replaces de facto use of POSGAR 98 as of same date.

POSGAR 94

Extent: Argentina - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_94)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4694')
Geographic::fromSRID(Geographic2D::EPSG_POSGAR_94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4694')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_POSGAR_94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4694')
```

Legally adopted in May 1997. Replaced by POSGAR 98 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 in May 2009.

POSGAR 98

Extent: Argentina - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_98)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4190')
Geographic::fromSRID(Geographic2D::EPSG_POSGAR_98)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4190')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_POSGAR_98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4190')
```

Densification in Argentina of SIRGAS 1995. Until May 2009 replaced POSGAR 94 for many practical purposes (but not as the legal system). POSGAR 94 was officially replaced by POSGAR 2007 in May 2009.

PRS92

Extent: Philippines - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PRS92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4683')
Geographic::fromSRID(Geographic2D::EPSG_PRS92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4683')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PRS92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4683')
```

Replaces Luzon 19111 (CRS code 4253).

PSAD56

Extent: Aruba - onshore; Bolivia; Bonaire - onshore; Brazil - offshore - Amazon Cone shelf; Chile - onshore north of 43°30'S; Curacao - onshore; Ecuador - mainland onshore; Guyana - onshore; Peru - onshore; Venezuela - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4248')
Geographic::fromSRID(Geographic2D::EPSG_PSAD56)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4248')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PSAD56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4248')
```

Incorporates La Canoa (CRS code 4247) and within Venezuela (but not beyond) the names La Canoa and PSAD56 are synonymous.

PSD93

Extent: Oman - onshore. Includes Musandam and the Kuria Muria (Al Hallaniyah) islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_PSD93)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4134')
Geographic::fromSRID(Geographic2D::EPSG_PSD93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4134')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PSD93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4134')
```

Replaced Fahud geogCRS (code 4232) in 1993. Maximum differences to Fahud adjustment are 20 metres.

PTRA08

Extent: Portugal - Azores and Madeira island groups and surrounding EEZ - Flores, Corvo; Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel, Santa Maria; Madeira, Porto Santo, Desertas; Selvagens

```
Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5013')
Geographic::fromSRID(Geographic2D::EPSG_PTRA08)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5013')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PTRA08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5013')
```

Replaces Azores Occidental 1939, Azores Central 1995, Azores Oriental 1995 and Porto Santo 1995 (CRS codes 4182 and 4663-65).

PZ-90

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4740')
Geographic::fromSRID(Geographic2D::EPSG_PZ_90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4740')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PZ_90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4740')
```

Used by the Glonass satellite navigation system prior to 2007-09-20.

PZ-90.02

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90_02)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9474')
Geographic::fromSRID(Geographic2D::EPSG_PZ_90_02)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9474')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PZ_90_02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9474')
```

Replaces PZ-90 (CRS code 4740) from 2007-09-20. Replaced by PZ-90.11 (CRS code 9475) from 2014-01-15.

PZ-90.11

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90_11)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9475')
Geographic::fromSRID(Geographic2D::EPSG_PZ_90_11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9475')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PZ_90_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9475')
```

Replaces PZ-90.02 (CRS code 9474) from 2014-01-15.

Palestine 1923

Extent: Israel - onshore; Jordan; Palestine Territory - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PALESTINE_1923)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4281')
Geographic::fromSRID(Geographic2D::EPSG_PALESTINE_1923)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4281')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PALESTINE_1923)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4281')
```

Pampa del Castillo

Extent: Argentina - Chibut province south of approximately 42°30'S and Santa Cruz province north of approximately 50°20'S

```
Geographic2D::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4161')
Geographic::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4161')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4161')
```

Replaced by Campo Inchauspe (geogCRS code 4221) for topographic mapping, use for oil exploration and production in Golfo San Jorge basin (44°S to 47.5°S) continues.

Panama-Colon 1911

Extent: Panama - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PANAMA_COLON_1911)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5467')
Geographic::fromSRID(Geographic2D::EPSG_PANAMA_COLON_1911)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5467')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PANAMA_COLON_1911)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5467')
```

Perroud 1950

Extent: Antarctica - Adelie Land - coastal area between 136°E and 142°E

```
Geographic2D::fromSRID(Geographic2D::EPSG_PERROUD_1950)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4637')
Geographic::fromSRID(Geographic2D::EPSG_PERROUD_1950)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4637')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PERROUD_1950)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4637')
```

Replaced by RGTAAF07 (CRS code 7073).

Peru96

Extent: Peru - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PERU96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5373')
Geographic::fromSRID(Geographic2D::EPSG_PERU96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5373')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PERU96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5373')
```

Replaces PSAD56 (CRS code 4248) in Peru.

Petrels 1972

Extent: Antarctica - Adelie Land - Petrels island

```
Geographic2D::fromSRID(Geographic2D::EPSG_PETRELS_1972)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4636')
Geographic::fromSRID(Geographic2D::EPSG_PETRELS_1972)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4636')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PETRELS_1972)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4636')
```

Replaced by RGTAAF07 (CRS code 7073).

Phoenix Islands 1966

Extent: Kiribati - Phoenix Islands: Kanton, Orona, McKean Atoll, Birnie Atoll, Phoenix Seamounts

```
Geographic2D::fromSRID(Geographic2D::EPSG_PHOENIX_ISLANDS_1966)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4716')
Geographic::fromSRID(Geographic2D::EPSG_PHOENIX_ISLANDS_1966)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4716')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PHOENIX_ISLANDS_1966)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4716')
```

Pitcairn 1967

Extent: Pitcairn - Pitcairn Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_PITCAIRN_1967)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4729')
Geographic::fromSRID(Geographic2D::EPSG_PITCAIRN_1967)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4729')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PITCAIRN_1967)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4729')
```

Replced by Pitcairn 2006 (CRS code 4763).

Pitcairn 2006

Extent: Pitcairn - Pitcairn Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_PITCAIRN_2006)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4763')
Geographic::fromSRID(Geographic2D::EPSG_PITCAIRN_2006)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4763')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PITCAIRN_2006)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4763')
```

Replaces Pitcairn 1967 (CRS code 4729). For practical purposes may be considered to be WGS 84.

Point 58

Extent: Senegal - central, Mali - southwest, Burkina Faso - central, Niger - southwest, Nigeria - north, Chad - central. All in proximity to the parallel of latitude of 12°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_POINT_58)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4620')
Geographic::fromSRID(Geographic2D::EPSG_POINT_58)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4620')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_POINT_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4620')
```

The 12th parallel traverse of 1966-70 is connected to the Blue Nile 1958 (Adindan) network in western Sudan (geogCRS code 4201).

Pointe Noire

Extent: Congo - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_POINTE_NOIRE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4282')
Geographic::fromSRID(Geographic2D::EPSG_POINTE_NOIRE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4282')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_POINTE_NOIRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4282')
```

Porto Santo

Extent: Portugal - Madeira, Porto Santo and Desertas islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PORTO_SANTO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4615')
Geographic::fromSRID(Geographic2D::EPSG_PORTO_SANTO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4615')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PORTO_SANTO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4615')
```

Replaced by 1995 system (CRS code 4663).

Porto Santo 1995

Extent: Portugal - Madeira, Porto Santo and Desertas islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PORTO_SANTO_1995)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4663')
Geographic::fromSRID(Geographic2D::EPSG_PORTO_SANTO_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4663')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PORTO_SANTO_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4663')
```

Replaces 1936 system (CRS code 4615). Replaced by PTRA08 (CRS code 5013).

Principe

Extent: Sao Tome and Principe - onshore - Principe

```
Geographic2D::fromSRID(Geographic2D::EPSG_PRINCIPE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4824')
Geographic::fromSRID(Geographic2D::EPSG_PRINCIPE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4824')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PRINCIPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4824')
```

Puerto Rico

Extent: Puerto Rico, US Virgin Islands and British Virgin Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PUERTO_RICO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4139')
Geographic::fromSRID(Geographic2D::EPSG_PUERTO_RICO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4139')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PUERTO_RICO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4139')
```

NAD27 (CRS code 4267) used for military purposes. Note: this CRS includes longitudes which are POSITIVE EAST.

Pulkovo 1942

Extent: Armenia; Azerbaijan; Belarus; Estonia - onshore; Georgia - onshore; Kazakhstan; Kyrgyzstan; Latvia - onshore; Lithuania - onshore; Moldova; Russian Federation - onshore; Tajikistan; Turkmenistan; Ukraine - onshore; Uzbekistan

```
Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4284')
Geographic::fromSRID(Geographic2D::EPSG_PULKOVO_1942)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4284')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PULKOVO_1942)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4284')
```

Extended to Eastern Europe through Uniform Astro-Geodetic Network (UAGN) of 1956 - see CRS code 4179.

Pulkovo 1942(58)

Extent: Onshore: Bulgaria, Czechia, Germany (former DDR), Hungary, Poland and Slovakia. Onshore and offshore: Albania and Romania

```
Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4179')
Geographic::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4179')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4179')
```

Shares same origin definition as Pulkovo 1942 (CRS code 4284) and for low accuracy purposes these systems can be considered consistent with each other. Locally densified during 1957 and 1958. Replaced by 1983 adjustment (CRS code 4178).

Pulkovo 1942(83)

Extent: Onshore Bulgaria, Czechia, Germany (former DDR), Hungary and Slovakia

```
Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4178')
Geographic::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4178')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4178')
```

Replaces 1956 adjustment (CRS code 4179). In Brandenburg replaced by ETRS89. In Sachsen and Thuringen replaced by RD83 and PD/83 which for practical purposes may be considered to be the same as DHDN.

Pulkovo 1995

Extent: Russian Federation - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4200')
Geographic::fromSRID(Geographic2D::EPSG_PULKOVO_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4200')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_PULKOVO_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4200')
```

Decree #1463 of 2012-12-28 announced that S-95 to be phased out and replaced by GSK-11 (CRS code 7683) by 2017.

QND95

Extent: Qatar - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_QND95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4614')
Geographic::fromSRID(Geographic2D::EPSG_QND95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4614')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_QND95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4614')
```

Qatar 1948

Extent: Qatar - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4286')
Geographic::fromSRID(Geographic2D::EPSG_QATAR_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4286')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_QATAR_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4286')
```

Qatar 1974

Extent: Qatar - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1974)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4285')
Geographic::fromSRID(Geographic2D::EPSG_QATAR_1974)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4285')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_QATAR_1974)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4285')
```

Qornoq 1927

Extent: Greenland - west coast onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4194')
Geographic::fromSRID(Geographic2D::EPSG_QORNOQ_1927)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4194')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_QORNOQ_1927)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4194')
```

RBEPP12-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Reading via Newbury to Penzance

```
Geographic2D::fromSRID(Geographic2D::EPSG_RBEPP12_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10277')
Geographic::fromSRID(Geographic2D::EPSG_RBEPP12_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10277')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RBEPP12_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10277')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / RBEPP12 SnakeGrid projected CRS through transformation ETRS89 to RBEPP12-IRF (1) (code 10278) used in conjunction with the RBEPP12-LCC map projection (code 10279).

RD/83

Extent: Germany - Sachsen

```
Geographic2D::fromSRID(Geographic2D::EPSG_RD_83)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4745')
Geographic::fromSRID(Geographic2D::EPSG_RD_83)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4745')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RD_83)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4745')
```

Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications RD/83 can be considered the same as DHDN.

RDN2008

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6706')
Geographic::fromSRID(Geographic2D::EPSG_RDN2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6706')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RDN2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6706')
```

Replaces IGM95 (CRS code 4670) from 2011-11-10.

REDGEOMIN

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic2D::fromSRID(Geographic2D::EPSG_REDGEOMIN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9696')
Geographic::fromSRID(Geographic2D::EPSG_REDGEOMIN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9696')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_REDGEOMIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9696')
```

REGCAN95

Extent: Spain - Canary Islands onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_REGCAN95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4081')
Geographic::fromSRID(Geographic2D::EPSG_REGCAN95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4081')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_REGCAN95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4081')
```

Replaces Pico de las Nieves 1984 (PN84).

REGVEN

Extent: Venezuela - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4189')
Geographic::fromSRID(Geographic2D::EPSG_REGVEN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4189')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_REGVEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4189')
```

Densification in Venezuela of SIRGAS.

RGAF09

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5489')
Geographic::fromSRID(Geographic2D::EPSG_RGAF09)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5489')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGAF09)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5489')
```

Replaces RRAF 1991. See CRS code 7086 for alternate system with axes reversed used by IGN for GIS purposes.

RGAF09 (lon-lat)

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7086')
Geographic::fromSRID(Geographic2D::EPSG_RGAF09_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7086')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGAF09_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7086')
```

Replaces RRAF 1991. See CRS code 5489 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGF93 v1

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4171')
Geographic::fromSRID(Geographic2D::EPSG_RGF93_V1)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4171')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGF93_V1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4171')
```

See CRS code 7084 for alternate system with axes reversed used by IGN for GIS purposes. Replaced by RGF93 v2 (CRS code 9777) from 2010-06-18.

RGF93 v1 (lon-lat)

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7084')
Geographic::fromSRID(Geographic2D::EPSG_RGF93_V1_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7084')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGF93_V1_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7084')
```

See CRS code 4171 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes. Replaced by RGF93 v2 (lon-lat) (CRS code 9779) from 2010-06-18.

RGF93 v2

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9777')
Geographic::fromSRID(Geographic2D::EPSG_RGF93_V2)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9777')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGF93_V2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9777')
```

Replaces RGF93 v1 (CRS code 4171) from 2010-06-18. Replaced by RGF93 v2b (CRS code 9782) from 2021-01-05. See CRS code 9779 for alternate system with axes reversed used by IGN for GIS purposes.

RGF93 v2 (lon-lat)

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9779')
Geographic::fromSRID(Geographic2D::EPSG_RGF93_V2_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9779')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGF93_V2_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9779')
```

Replaces RGF93 v1 (lon-lat) (code 7084) from 2010-06-18. Replaced by RGF93 v2b (lon-lat) (CRS code 9784) from 2021-01-05. See CRS code 9777 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGF93 v2b

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9782')
Geographic::fromSRID(Geographic2D::EPSG_RGF93_V2B)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9782')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGF93_V2B)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9782')
```

Replaces RGF93 v2 (CRS code 9777) from 2021-01-05. See CRS code 9784 for alternate system with axes reversed used by IGN for GIS purposes.

RGF93 v2b (lon-lat)

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9784')
Geographic::fromSRID(Geographic2D::EPSG_RGF93_V2B_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9784')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGF93_V2B_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9784')
```

Replaces RGF93 v2 (lon-lat) (CRS code 9779) from 2021-01-05. See CRS code 9782 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGFG95

Extent: French Guiana - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4624')
Geographic::fromSRID(Geographic2D::EPSG_RGFG95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4624')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGFG95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4624')
```

See CRS code 7041 for alternate system with axes reversed used by IGN for GIS purposes.

RGFG95 (lon-lat)

Extent: French Guiana - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7041')
Geographic::fromSRID(Geographic2D::EPSG_RGFG95_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7041')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGFG95_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7041')
```

See CRS code 4624 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGM04

Extent: Mayotte - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGM04)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4470')
Geographic::fromSRID(Geographic2D::EPSG_RGM04)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4470')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGM04)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4470')
```

Replaces Combani 1950 (CRS code 4632) except for cadastral purposes which uses Cadastre 1997 (CRS code 4475). See CRS code 7039 for alternate system with axes reversed used by IGN for GIS purposes.

RGM04 (lon-lat)

Extent: Mayotte - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGM04_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7039')
Geographic::fromSRID(Geographic2D::EPSG_RGM04_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7039')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGM04_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7039')
```

Replaces Combani 1950 (CRS code 4632) except for cadastral purposes which use Cadastre 1997 (CRS code 4475). See CRS code 4470 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGNC15

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10310')
Geographic::fromSRID(Geographic2D::EPSG_RGNC15)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10310')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGNC15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10310')
```

Replaces RGNC91-93 (CRS code 4749). See CRS code 10312 for alternate system with axes reversed used by DITTT for GIS purposes.

RGNC15 (lon-lat)

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10312')
Geographic::fromSRID(Geographic2D::EPSG_RGNC15_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10312')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGNC15_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10312')
```

Replaces RGNC91-93 (lon-lat) (CRS code 10307). See CRS code 10310 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGNC91-93

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4749')
Geographic::fromSRID(Geographic2D::EPSG_RGNC91_93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4749')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGNC91_93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4749')
```

Replaces older systems IGN56 Lifou, IGN72 Grande Terre, ST87 Ouvea, IGN53 Mare, ST84 Ile des Pins, ST71 Belep and NEA74 Noumea. Replaced by RGNC15 (CRS 10310). See CRS code 10307 for alternate system with axes reversed used by DITTT for GIS purposes.

RGNC91-93 (lon-lat)

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10307')
Geographic::fromSRID(Geographic2D::EPSG_RGNC91_93_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10307')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGNC91_93_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10307')
```

See CRS code 4749 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes. Replaced by RGNC15 (lon-lat) (CRS code 10312).

RGPF

Extent: French Polynesia - onshore and offshore. Includes Society archipelago, Tuamotu archipelago, Marquesas Islands, Gambier Islands and Austral Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGPF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4687')
Geographic::fromSRID(Geographic2D::EPSG_RGPF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4687')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGPF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4687')
```

Replaces Tahaa 54 (CRS code 4629), IGN 63 Hiva Oa (4689), IGN 72 Nuku Hiva (4630), Maupiti 83 (4692), MHEFO 55 (4688), Moorea 87 (4691) and Tahiti 79 (4690).

RGR92

Extent: Reunion - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGR92)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4627')
Geographic::fromSRID(Geographic2D::EPSG_RGR92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4627')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGR92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4627')
```

Replaces Piton des Neiges (code 4626). See CRS code 7037 for alternate system with axes reversed used by IGN for GIS purposes.

RGR92 (lon-lat)

Extent: Reunion - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGR92_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7037')
Geographic::fromSRID(Geographic2D::EPSG_RGR92_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7037')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGR92_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7037')
```

Replaces Piton des Neiges (code 4626). See CRS code 4627 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGRDC 2005

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4046')
Geographic::fromSRID(Geographic2D::EPSG_RGRDC_2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4046')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGRDC_2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4046')
```

RGSH2020

Extent: Algeria - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10299')
Geographic::fromSRID(Geographic2D::EPSG_RGSH2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10299')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGSH2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10299')
```

RGSPM06

Extent: St Pierre and Miquelon - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4463')
Geographic::fromSRID(Geographic2D::EPSG_RGSPM06)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4463')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGSPM06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4463')
```

Replaces Saint Pierre et Miquelon 1950 (CRS code 4638). See CRS code 7035 for alternate system with axes reversed used by IGN for GIS purposes.

RGSPM06 (lon-lat)

Extent: St Pierre and Miquelon - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7035')
Geographic::fromSRID(Geographic2D::EPSG_RGSPM06_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7035')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGSPM06_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7035')
```

Replaces Saint Pierre et Miquelon 1950 (CRS code 4638). See CRS code 4463 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGTAAF07

Extent: French Southern Territories - onshore and offshore: Amsterdam and St Paul, Crozet, Europa and Kerguelen. Antarctica - Adelie Land coastal area

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7073')
Geographic::fromSRID(Geographic2D::EPSG_RGTAAF07)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7073')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGTAAF07)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7073')
```

Replaces various local systems on several French overseas territories. See CRS code 7133 for alternate system with axes reversed used by IGN for GIS purposes.

RGTAAF07 (lon-lat)

Extent: French Southern Territories - onshore and offshore: Amsterdam and St Paul, Crozet, Europa and Kerguelen. Antarctica - Adelie Land coastal area

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7133')
Geographic::fromSRID(Geographic2D::EPSG_RGTAAF07_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7133')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGTAAF07_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7133')
```

Replaces various local systems on several French overseas territories. See CRS code 7073 for alternate system with axes in sequence lat-lon to be used for air, land and sea navigation purposes.

RGWF96

Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8900')
Geographic::fromSRID(Geographic2D::EPSG_RGWF96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8900')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGWF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8900')
```

See CRS code 8902 for alternate system with axes reversed used by IGN for GIS purposes. On Wallis island, replaces MOP78 (CRS code 4639) for geodetic purposes.

RGWF96 (lon-lat)

Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96_LON_LAT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8902')
Geographic::fromSRID(Geographic2D::EPSG_RGWF96_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8902')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RGWF96_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8902')
```

See CRS code 8900 for system with axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes. On Wallis island, replaces MOP78 (CRS code 4639) for GIS purposes.

RRAF 1991

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geographic2D::fromSRID(Geographic2D::EPSG_RRAF_1991)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4558')
Geographic::fromSRID(Geographic2D::EPSG_RRAF_1991)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4558')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RRAF_1991)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4558')
```

Replaces older local systems Fort Marigot and Sainte Anne CRS (codes 4621-22) in Guadeloupe and Fort Desaix (CRS code 4625) in Martinique. Replaced by RGAF09 (CRS code 5489).

RSAO13

Extent: Angola - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8699')
Geographic::fromSRID(Geographic2D::EPSG_RSAO13)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8699')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RSAO13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8699')
```

RSRGD2000

Extent: Antarctica - Ross Sea Region - nominally between 160°E and 150°W but includes buffer on eastern hemisphere margin to include Transantarctic Mountains

```
Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4764')
Geographic::fromSRID(Geographic2D::EPSG_RSRGD2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4764')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RSRGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4764')
```

Replaces Camp Area Astro (CRS code 4715). The relationship to this is variable. See Land Information New Zealand LINZS25001.

RT38

Extent: Sweden - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RT38)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4308')
Geographic::fromSRID(Geographic2D::EPSG_RT38)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4308')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RT38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4308')
```

RT38 (Stockholm)

Extent: Sweden - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RT38_STOCKHOLM)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4814')
Geographic::fromSRID(Geographic2D::EPSG_RT38_STOCKHOLM)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4814')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RT38_STOCKHOLM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4814')
```

RT90

Extent: Sweden - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_RT90)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4124')
Geographic::fromSRID(Geographic2D::EPSG_RT90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4124')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RT90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4124')
```

Rassadiran

Extent: Iran - Taheri refinery site

```
Geographic2D::fromSRID(Geographic2D::EPSG_RASSADIRAN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4153')
Geographic::fromSRID(Geographic2D::EPSG_RASSADIRAN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4153')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_RASSADIRAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4153')
```

Reunion 1947

Extent: Reunion - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_REUNION_1947)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4626')
Geographic::fromSRID(Geographic2D::EPSG_REUNION_1947)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4626')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_REUNION_1947)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4626')
```

Replaced by RGR92 (code 4627).

Reykjavik 1900

Extent: Iceland - mainland

```
Geographic2D::fromSRID(Geographic2D::EPSG_REYKJAVIK_1900)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4657')
Geographic::fromSRID(Geographic2D::EPSG_REYKJAVIK_1900)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4657')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_REYKJAVIK_1900)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4657')
```

See ellipsoid remarks.

S-JTSK

Extent: Czechia; Slovakia

```
Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4156')
Geographic::fromSRID(Geographic2D::EPSG_S_JTSK)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4156')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S_JTSK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4156')
```

Greenwich-referenced equivalent to S-JTSK (CRS code 4818). Technically improved and replaced through S-JTSK [JTSK03] in Slovakia, CRS code 8351. Remains the legal system in Czechia but see scientific working system CRSs 5228 and 5229.

S-JTSK (Ferro)

Extent: Czechia; Slovakia

```
Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_FERRO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4818')
Geographic::fromSRID(Geographic2D::EPSG_S_JTSK_FERRO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4818')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S_JTSK_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4818')
```

Initial realization, observed and calculated in projected CRS domain (CRS code 2065). Later densification introduced distortion with inaccuracy of several decimetres. In Slovakia has been deprecated and replaced by Greenwich equivalent, CRS code 4156.

S-JTSK [JTSK03]

Extent: Slovakia

```
Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_JTSK03)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8351')
Geographic::fromSRID(Geographic2D::EPSG_S_JTSK_JTSK03)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8351')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S_JTSK_JTSK03)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8351')
```

Defined by transfomation from ETRS89 (ETRF2000 realization) (transformation code 8365) to improve the scale and homogeneity of S-JTSK (CRS 4156) within Slovakia.

S-JTSK/05

Extent: Czechia

```
Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5228')
Geographic::fromSRID(Geographic2D::EPSG_S_JTSK_05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5228')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S_JTSK_05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5228')
```

Derived through projCRS 5515 to improve the scale and homogeneity of CRS 4156 within Czechia as a scientific working system, but CRS 4156 remains the legal system. See CRS code 5229 for Ferro-referenced alternative.

S-JTSK/05 (Ferro)

Extent: Czechia

```
Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05_FERRO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5229')
Geographic::fromSRID(Geographic2D::EPSG_S_JTSK_05_FERRO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5229')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S_JTSK_05_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5229')
```

Derived through projCRS code 5224 to improve the scale and homogeneity of CRS 4818 within Czechia as a scientific working system, but CRS 4818 remains the legal system. See CRS code 5228 for Greenwich-referenced alternative.

S34J-IRF

Extent: Denmark - Jutland and Funen - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_S34J_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10158')
Geographic::fromSRID(Geographic2D::EPSG_S34J_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10158')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S34J_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10158')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic S34J CRS and ETRS89 through transformation ETRS89 to S34J-IRF (1) (code 10161) used in conjunction with the S34-reconstruction map projection (code 10159).

S34S-IRF

Extent: Denmark - Zealand and Lolland (onshore)

```
Geographic2D::fromSRID(Geographic2D::EPSG_S34S_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10249')
Geographic::fromSRID(Geographic2D::EPSG_S34S_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10249')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S34S_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10249')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic S34S CRS and ETRS89 through CT ETRS89 to S34S-IRF (1) (code 10251) used in conjunction with the S34-reconstruction map projection (code 10159).

S45B-IRF

Extent: Denmark - Bornholm onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_S45B_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10252')
Geographic::fromSRID(Geographic2D::EPSG_S45B_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10252')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_S45B_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10252')
```

Artificial CRS created in 2022 to assist the transformation of coordinates between the historic S45 CRS and ETRS89 through transformation ETRS89 to S45B-IRF (1) (code 10255) used in conjunction with the S45B-reconstruction map projection (code 10253).

SAD69

Extent: Brazil - onshore and offshore. In rest of South America - onshore north of approximately 45°S and Tierra del Fuego

```
Geographic2D::fromSRID(Geographic2D::EPSG_SAD69)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4618')
Geographic::fromSRID(Geographic2D::EPSG_SAD69)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4618')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SAD69)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4618')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil only, replaced by SAD69(96) (CRS code 5527).

SAD69(96)

Extent: Brazil - onshore and offshore. Includes Rocas, Fernando de Noronha archipelago, Trindade, Ihlas Martim Vaz and Sao Pedro e Sao Paulo

```
Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5527')
Geographic::fromSRID(Geographic2D::EPSG_SAD69_96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5527')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SAD69_96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5527')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 original adjustment (CRS code 4618) only in Brazil.

SCM22-IRF

Extent: United Kingdom (UK) - on or related to the Scottish central mainline rail route from Motherwell through Perth and Pitlochry to Inverness

```
Geographic2D::fromSRID(Geographic2D::EPSG_SCM22_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9969')
Geographic::fromSRID(Geographic2D::EPSG_SCM22_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9969')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SCM22_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9969')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / SCM22 SnakeGrid projected CRS through transformation ETRS89 to SCM22-IRF (1) (code 9969) used in conjunction with the SCM22-TM map projection (code 9971).

SHGD2015

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7886')
Geographic::fromSRID(Geographic2D::EPSG_SHGD2015)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7886')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SHGD2015)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7886')
```

SIGD61

Extent: Cayman Islands - Little Cayman and Cayman Brac

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIGD61)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4726')
Geographic::fromSRID(Geographic2D::EPSG_SIGD61)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4726')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIGD61)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4726')
```

Superseded by CIGD11 (CRS code 6135).

SIRGAS 1995

Extent: South America - onshore and offshore. Ecuador (mainland and Galapagos) - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4170')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4170')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4170')
```

Replaced by SIRGAS 2000 (CRS code 4674).

SIRGAS 2000

Extent: Latin America - Central America and South America - onshore and offshore. Brazil - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4674')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4674')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4674')
```

Replaces SIRGAS 1995 system (CRS code 4179) for South America; expands SIRGAS to Central America.

SIRGAS-CON DGF00P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF00P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8972')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF00P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8972')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF00P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8972')
```

Replaced by SIRGAS-CON DGF01P01 (CRS code 8973).

SIRGAS-CON DGF01P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8973')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8973')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8973')
```

Replaces SIRGAS-CON DGF00P01 (CRS code 8972). Replaced by SIRGAS-CON DGF01P02 (CRS code 8974).

SIRGAS-CON DGF01P02

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P02)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8974')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P02)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8974')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8974')
```

Replaces SIRGAS-CON DGF01P01 (CRS code 8973). Replaced by SIRGAS-CON DGF02P01 (CRS code 8975).

SIRGAS-CON DGF02P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF02P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8975')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF02P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8975')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF02P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8975')
```

Replaces SIRGAS-CON DGF01P02 (CRS code 8974). Replaced by SIRGAS-CON DGF04P01 (CRS code 8976).

SIRGAS-CON DGF04P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF04P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8976')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF04P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8976')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF04P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8976')
```

Replaces SIRGAS-CON DGF02P01 (CRS code 8975). Replaced by SIRGAS-CON DGF05P01 (CRS code 8977).

SIRGAS-CON DGF05P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF05P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8977')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF05P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8977')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF05P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8977')
```

Replaces SIRGAS-CON DGF04P01 (CRS code 8976). Replaced by SIRGAS-CON DGF06P01 (CRS code 8978).

SIRGAS-CON DGF06P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF06P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8978')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF06P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8978')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF06P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8978')
```

Replaces SIRGAS-CON DGF05P01 (CRS code 8977). Replaced by SIRGAS-CON DGF07P01 (CRS code 8979).

SIRGAS-CON DGF07P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF07P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8979')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF07P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8979')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF07P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8979')
```

Replaces SIRGAS-CON DGF06P01 (CRS code 8978). Replaced by SIRGAS-CON DGF08P01 (CRS code 8980).

SIRGAS-CON DGF08P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF08P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8980')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF08P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8980')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF08P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8980')
```

Replaces SIRGAS-CON DGF07P01 (CRS code 8979). Replaced by SIRGAS-CON SIR09P01 (CRS code 8981).

SIRGAS-CON SIR09P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR09P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8981')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR09P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8981')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR09P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8981')
```

Replaces SIRGAS-CON DGF08P01 (CRS code 8980). Replaced by SIRGAS-CON SIR10P01 (CRS code 8982).

SIRGAS-CON SIR10P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR10P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8982')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR10P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8982')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR10P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8982')
```

Replaces SIRGAS-CON SIR09P01 (CRS code 8981). Replaced by SIRGAS-CON SIR11P01 (CRS code 8983).

SIRGAS-CON SIR11P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR11P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8983')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR11P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8983')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR11P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8983')
```

Replaces SIRGAS-CON SIR10P01 (CRS code 8982). Replaced by SIRGAS-CON SIR13P01 (CRS code 8984).

SIRGAS-CON SIR13P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR13P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8984')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR13P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8984')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR13P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8984')
```

Replaces SIRGAS-CON SIR11P01 (CRS code 8983). Replaced by SIRGAS-CON SIR14P01 (CRS code 8985).

SIRGAS-CON SIR14P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR14P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8985')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR14P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8985')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR14P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8985')
```

Replaces SIRGAS-CON SIR13P01 (CRS code 8984). Replaced by SIRGAS-CON SIR15P01 (CRS code 8986).

SIRGAS-CON SIR15P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR15P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8986')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR15P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8986')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR15P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8986')
```

Replaces SIRGAS-CON SIR14P01 (CRS code 8985). Replaced by SIRGAS-CON SIR17P01 (CRS code 8987).

SIRGAS-CON SIR17P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR17P01)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8987')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR17P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8987')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR17P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8987')
```

Replaces SIRGAS-CON SIR15P01 (CRS code 8986).

SIRGAS-Chile 2002

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5360')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5360')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5360')
```

Densification of SIRGAS 2000 within Chile. Replaces PSAD56 (CRS code 6248) in Chile, HITO XVIII (CRS code 6254) in Chilean Tierra del Fuego and Easter Island 1967 (CRS code 6719) in Easter Island. Replaced by SIRGAS-Chile 2010 (CRS code 8949).

SIRGAS-Chile 2010

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8949')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8949')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8949')
```

Densification within Chile of SIRGAS-CON at epoch 2010.00. Replaces SIRGAS-Chile 2002 (CRS code 5360) due to significant tectonic deformation. Replaced by SIRGAS-Chile 2013 (CRS code 9148)

SIRGAS-Chile 2013

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9148')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9148')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9148')
```

Densification within Chile of SIRGAS-CON at epoch 2013.00. Replaces SIRGAS-Chile 2010 (CRS code 8949) due to significant tectonic deformation. Replaced by SIRGAS-Chile 2016 (CRS code 9153).

SIRGAS-Chile 2016

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9153')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9153')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9153')
```

Densification within Chile of SIRGAS-CON at epoch 2016.00. Replaces SIRGAS-Chile 2013 (CRS code 9148), replaced by SIRGAS-Chile 2021 (CRS code 20041) due to significant tectonic deformation.

SIRGAS-Chile 2021

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::20041')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::20041')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20041')
```

Densification within Chile of SIRGAS-CON at epoch 2021.00. Replaces SIRGAS-Chile 2016 (CRS code 9153) due to significant tectonic deformation.

SIRGAS-ROU98

Extent: Uruguay - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_ROU98)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5381')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_ROU98)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5381')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_ROU98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5381')
```

Replaces Yacare (CRS code 4309) in Uruguay.

SIRGAS_ES2007.8

Extent: El Salvador - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_ES2007_8)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5393')
Geographic::fromSRID(Geographic2D::EPSG_SIRGAS_ES2007_8)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5393')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIRGAS_ES2007_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5393')
```

SLD99

Extent: Sri Lanka - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SLD99)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5233')
Geographic::fromSRID(Geographic2D::EPSG_SLD99)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5233')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SLD99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5233')
```

SMITB20-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Okehampton to Penstone

```
Geographic2D::fromSRID(Geographic2D::EPSG_SMITB20_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10272')
Geographic::fromSRID(Geographic2D::EPSG_SMITB20_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10272')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SMITB20_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10272')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / SMITB20 SnakeGrid projected CRS through transformation ETRS89 to SMITB20-IRF (1) (code 10273) used in conjunction with the SMITB20-TM map projection (code 10274).

SRB_ETRS89

Extent: Serbia including Vojvodina

```
Geographic2D::fromSRID(Geographic2D::EPSG_SRB_ETRS89)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8685')
Geographic::fromSRID(Geographic2D::EPSG_SRB_ETRS89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8685')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SRB_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8685')
```

In Serbia replaces MGI 1901 and SREF98 (CRS codes 3906 and 4075).

SREF98

Extent: Serbia including Vojvodina

```
Geographic2D::fromSRID(Geographic2D::EPSG_SREF98)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4075')
Geographic::fromSRID(Geographic2D::EPSG_SREF98)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4075')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SREF98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4075')
```

Replaces MGI 1901 (CRS code 3906) in Serbia. Replaced by SRB_ETRS89 (STRS00) (CRS code 8685).

SRGI2013

Extent: Indonesia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9470')
Geographic::fromSRID(Geographic2D::EPSG_SRGI2013)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9470')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SRGI2013)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9470')
```

Supports horizontal component of national horizontal control network (JKHN). Adopted 2013-10-11. Replaces DGN95 and all older systems.

ST71 Belep

Extent: New Caledonia - Belep

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST71_BELEP)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4643')
Geographic::fromSRID(Geographic2D::EPSG_ST71_BELEP)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4643')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST71_BELEP)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4643')
```

Replaced by RGNC91-93 (CRS code 4749).

ST84 Ile des Pins

Extent: New Caledonia - Ile des Pins

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST84_ILE_DES_PINS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4642')
Geographic::fromSRID(Geographic2D::EPSG_ST84_ILE_DES_PINS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4642')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST84_ILE_DES_PINS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4642')
```

Replaced by RGNC91-93 (CRS code 4749).

ST87 Ouvea

Extent: New Caledonia - Loyalty Islands - Ouvea

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST87_OUVEA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4750')
Geographic::fromSRID(Geographic2D::EPSG_ST87_OUVEA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4750')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST87_OUVEA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4750')
```

Replaced by RGNC91-93 (CRS code 4749).

SVY21

Extent: Singapore - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SVY21)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4757')
Geographic::fromSRID(Geographic2D::EPSG_SVY21)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4757')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SVY21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4757')
```

SWEREF99

Extent: Sweden - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4619')
Geographic::fromSRID(Geographic2D::EPSG_SWEREF99)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4619')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SWEREF99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4619')
```

SYC20-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Crewe

```
Geographic2D::fromSRID(Geographic2D::EPSG_SYC20_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10237')
Geographic::fromSRID(Geographic2D::EPSG_SYC20_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10237')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SYC20_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10237')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / SYC20 SnakeGrid projected CRS through transformation ETRS89 to SYC20-IRF (1) (code 10238) used in conjunction with the SYC20-TM map projection (code 10239).

Saint Pierre et Miquelon 1950

Extent: St Pierre and Miquelon - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SAINT_PIERRE_ET_MIQUELON_1950)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4638')
Geographic::fromSRID(Geographic2D::EPSG_SAINT_PIERRE_ET_MIQUELON_1950)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4638')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SAINT_PIERRE_ET_MIQUELON_1950)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4638')
```

Replaced by RGSPM06 (CRS code 4463).

Santo 1965

Extent: Vanuatu - northern islands - Aese, Ambrym, Aoba, Epi, Espiritu Santo, Maewo, Malo, Malkula, Paama, Pentecost, Shepherd and Tutuba

```
Geographic2D::fromSRID(Geographic2D::EPSG_SANTO_1965)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4730')
Geographic::fromSRID(Geographic2D::EPSG_SANTO_1965)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4730')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SANTO_1965)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4730')
```

Sao Tome

Extent: Sao Tome and Principe - onshore - Sao Tome

```
Geographic2D::fromSRID(Geographic2D::EPSG_SAO_TOME)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4823')
Geographic::fromSRID(Geographic2D::EPSG_SAO_TOME)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4823')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SAO_TOME)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4823')
```

Sapper Hill 1943

Extent: Falkland Islands (Malvinas) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SAPPER_HILL_1943)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4292')
Geographic::fromSRID(Geographic2D::EPSG_SAPPER_HILL_1943)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4292')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SAPPER_HILL_1943)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4292')
```

Schwarzeck

Extent: Namibia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4293')
Geographic::fromSRID(Geographic2D::EPSG_SCHWARZECK)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4293')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SCHWARZECK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4293')
```

Scoresbysund 1952

Extent: Greenland - Scoresbysund area onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SCORESBYSUND_1952)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4195')
Geographic::fromSRID(Geographic2D::EPSG_SCORESBYSUND_1952)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4195')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SCORESBYSUND_1952)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4195')
```

Segara

Extent: Indonesia - Kalimantan - onshore east coastal area including Mahakam delta coastal and offshore shelf areas

```
Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4613')
Geographic::fromSRID(Geographic2D::EPSG_SEGARA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4613')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SEGARA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4613')
```

Segara (Jakarta)

Extent: Indonesia - Kalimantan - onshore east coastal area including Mahakam delta coastal and offshore shelf areas

```
Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA_JAKARTA)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4820')
Geographic::fromSRID(Geographic2D::EPSG_SEGARA_JAKARTA)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4820')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SEGARA_JAKARTA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4820')
```

Selvagem Grande

Extent: Portugal - Selvagens islands (Madeira province) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SELVAGEM_GRANDE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4616')
Geographic::fromSRID(Geographic2D::EPSG_SELVAGEM_GRANDE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4616')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SELVAGEM_GRANDE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4616')
```

Serindung

Extent: Indonesia - west Kalimantan - onshore coastal area

```
Geographic2D::fromSRID(Geographic2D::EPSG_SERINDUNG)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4295')
Geographic::fromSRID(Geographic2D::EPSG_SERINDUNG)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4295')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SERINDUNG)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4295')
```

ShAb07-IRF

Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Aberystwyth

```
Geographic2D::fromSRID(Geographic2D::EPSG_SHAB07_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10185')
Geographic::fromSRID(Geographic2D::EPSG_SHAB07_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10185')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SHAB07_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10185')
```

Intermediate CRS created in 2022 to assist the emulation of the ETRS89 / ShAb07 SnakeGrid projected CRS through transformation ETRS89 to ShAb07-IRF (1) (code 10186) used in conjunction with the ShAb07-TM map projection (code 10187).

Sibun Gorge 1922

Extent: Belize - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIBUN_GORGE_1922)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5464')
Geographic::fromSRID(Geographic2D::EPSG_SIBUN_GORGE_1922)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5464')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIBUN_GORGE_1922)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5464')
```

Sierra Leone 1924

Extent: Sierra Leone - Freetown Peninsula

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1924)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4174')
Geographic::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1924)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4174')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1924)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4174')
```

Ellipsoid semi-major axis (a)=20926201 exactly Gold Coast feet; 1 Gold Coast foot = 0.3047997101815 m.

Sierra Leone 1968

Extent: Sierra Leone - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1968)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4175')
Geographic::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1968)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4175')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1968)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4175')
```

Replaces Sierra Leone 1960. The 1968 readjustment coordinates are within 3m of the 1960 provisional adjustment.

Slovenia 1996

Extent: Slovenia - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SLOVENIA_1996)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4765')
Geographic::fromSRID(Geographic2D::EPSG_SLOVENIA_1996)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4765')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SLOVENIA_1996)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4765')
```

Replaces MG! alias D48 (CRS code 4312).

Solomon 1968

Extent: Solomon Islands - onshore southern Solomon Islands, primarily Guadalcanal, Malaita, San Cristobel, Santa Isobel, Choiseul, Makira-Ulawa

```
Geographic2D::fromSRID(Geographic2D::EPSG_SOLOMON_1968)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4718')
Geographic::fromSRID(Geographic2D::EPSG_SOLOMON_1968)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4718')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SOLOMON_1968)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4718')
```

South East Island 1943

Extent: Seychelles - Mahe, Silhouette, North, Aride Island, Praslin, La Digue and Frigate islands including adjacent smaller granitic islands on the Seychelles Bank, Bird Island and Denis Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_EAST_ISLAND_1943)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::6892')
Geographic::fromSRID(Geographic2D::EPSG_SOUTH_EAST_ISLAND_1943)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6892')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SOUTH_EAST_ISLAND_1943)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6892')
```

South Georgia 1968

Extent: South Georgia and the South Sandwich Islands - South Georgia onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_GEORGIA_1968)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4722')
Geographic::fromSRID(Geographic2D::EPSG_SOUTH_GEORGIA_1968)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4722')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SOUTH_GEORGIA_1968)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4722')
```

South Yemen

Extent: Yemen - South Yemen onshore mainland

```
Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_YEMEN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4164')
Geographic::fromSRID(Geographic2D::EPSG_SOUTH_YEMEN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4164')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_SOUTH_YEMEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4164')
```

St. George Island

Extent: United States (USA) - Alaska - Pribilof Islands - St George Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_GEORGE_ISLAND)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4138')
Geographic::fromSRID(Geographic2D::EPSG_ST_GEORGE_ISLAND)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4138')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_GEORGE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4138')
```

Note: this CRS includes longitudes which are POSITIVE EAST.

St. Helena Tritan

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::7881')
Geographic::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7881')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7881')
```

Replaced by SHGD2015 (CRS code 7886) from 2015.

St. Kitts 1955

Extent: St Kitts and Nevis - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_KITTS_1955)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4605')
Geographic::fromSRID(Geographic2D::EPSG_ST_KITTS_1955)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4605')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_KITTS_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4605')
```

St. Lawrence Island

Extent: United States (USA) - Alaska - St Lawrence Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_LAWRENCE_ISLAND)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4136')
Geographic::fromSRID(Geographic2D::EPSG_ST_LAWRENCE_ISLAND)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4136')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_LAWRENCE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4136')
```

Note: this CRS includes longitudes which are POSITIVE EAST.

St. Lucia 1955

Extent: St Lucia - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_LUCIA_1955)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4606')
Geographic::fromSRID(Geographic2D::EPSG_ST_LUCIA_1955)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4606')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_LUCIA_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4606')
```

St. Paul Island

Extent: United States (USA) - Alaska - Pribilof Islands - St Paul Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_PAUL_ISLAND)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4137')
Geographic::fromSRID(Geographic2D::EPSG_ST_PAUL_ISLAND)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4137')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_PAUL_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4137')
```

Note: this CRS includes longitudes which are POSITIVE EAST.

St. Stephen (Ferro)

Extent: Austria - Lower Austria. Czechia - Moravia and Czech Silesia

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_STEPHEN_FERRO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8043')
Geographic::fromSRID(Geographic2D::EPSG_ST_STEPHEN_FERRO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8043')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_STEPHEN_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8043')
```

St. Vincent 1945

Extent: St Vincent and the northern Grenadine Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_VINCENT_1945)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4607')
Geographic::fromSRID(Geographic2D::EPSG_ST_VINCENT_1945)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4607')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ST_VINCENT_1945)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4607')
```

TC(1948)

Extent: United Arab Emirates (UAE) - Abu Dhabi onshore and Dubai onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TC_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4303')
Geographic::fromSRID(Geographic2D::EPSG_TC_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4303')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TC_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4303')
```

TGD2005

Extent: Tonga - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TGD2005)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5886')
Geographic::fromSRID(Geographic2D::EPSG_TGD2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5886')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TGD2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5886')
```

TM65

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TM65)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4299')
Geographic::fromSRID(Geographic2D::EPSG_TM65)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4299')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TM65)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4299')
```

Replaced by 1975 Mapping Adjustment alias TM75 (CRS code 4300). Not to be confused with the Geodetic Datum of 1965 (datum code 6300) which is used by TM75.

TM75

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TM75)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4300')
Geographic::fromSRID(Geographic2D::EPSG_TM75)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4300')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TM75)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4300')
```

Uses Geodetic Datum of 1965 which should not be confused with the 1965 adjustment (TM65, datum code 6299 and CRS code 4299). Replaces OSNI52 (CRS code 4188) and TM65 (CRS code 4299). Replaced by IRENET95 (CRS code 4173).

TPEN11-IRF

Extent: United Kingdom (UK) - on or related to the Trans-Pennine rail route from Liverpool via Manchester to Bradford and Leeds

```
Geographic2D::fromSRID(Geographic2D::EPSG_TPEN11_IRF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9364')
Geographic::fromSRID(Geographic2D::EPSG_TPEN11_IRF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9364')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TPEN11_IRF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9364')
```

Intermediate CRS created in 2020 to assist the emulation of the ETRS89 / TPEN11 SnakeGrid projected CRS through transformation ETRS89 to TPEN11-IRF (1) (code 9365) used in conjunction with the TPEN11-TM map projection (code 9366).

TUREF

Extent: Türkiye (Turkey) - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TUREF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5252')
Geographic::fromSRID(Geographic2D::EPSG_TUREF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5252')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TUREF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5252')
```

TWD67

Extent: Taiwan, Republic of China - onshore - Taiwan Island, Penghu (Pescadores) Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_TWD67)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::3821')
Geographic::fromSRID(Geographic2D::EPSG_TWD67)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3821')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TWD67)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3821')
```

Shares the same origin point with the earlier Hu Tzu Shan system (CRS code 4236) but away from this point coordinates differ. Do not confuse!

TWD97

Extent: Taiwan, Republic of China - onshore and offshore - Taiwan Island, Penghu (Pescadores) Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_TWD97)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::3824')
Geographic::fromSRID(Geographic2D::EPSG_TWD97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3824')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TWD97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3824')
```

Tahaa 54

Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea and Tahaa

```
Geographic2D::fromSRID(Geographic2D::EPSG_TAHAA_54)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4629')
Geographic::fromSRID(Geographic2D::EPSG_TAHAA_54)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4629')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TAHAA_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4629')
```

Replaced by RGPF, CRS code 4687.

Tahiti 52

Extent: French Polynesia - Society Islands - Moorea and Tahiti

```
Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_52)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4628')
Geographic::fromSRID(Geographic2D::EPSG_TAHITI_52)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4628')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TAHITI_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4628')
```

Replaced by Tahiti 79 (CRS code 4690) in Tahiti and Moorea 87 (CRS code 4691) in Moorea.

Tahiti 79

Extent: French Polynesia - Society Islands - Tahiti

```
Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_79)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4690')
Geographic::fromSRID(Geographic2D::EPSG_TAHITI_79)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4690')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TAHITI_79)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4690')
```

Replaces Tahiti 52 (CRS code 4628) in Tahiti. Replaced by RGPF (CRS code 4687).

Tananarive

Extent: Madagascar - onshore and nearshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4297')
Geographic::fromSRID(Geographic2D::EPSG_TANANARIVE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4297')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TANANARIVE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4297')
```

Tananarive (Paris)

Extent: Madagascar - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE_PARIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4810')
Geographic::fromSRID(Geographic2D::EPSG_TANANARIVE_PARIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4810')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TANANARIVE_PARIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4810')
```

Tapi Aike

Extent: Argentina - Santa Cruz province south of approximately 50°20'S

```
Geographic2D::fromSRID(Geographic2D::EPSG_TAPI_AIKE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9248')
Geographic::fromSRID(Geographic2D::EPSG_TAPI_AIKE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9248')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TAPI_AIKE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9248')
```

Replaced by Campo Inchauspe (geogCRS code 4221) for topographic mapping, use for oil exploration and production continues.

Tern Island 1961

Extent: United States (USA) - Hawaii - Tern Island and Sorel Atoll

```
Geographic2D::fromSRID(Geographic2D::EPSG_TERN_ISLAND_1961)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4707')
Geographic::fromSRID(Geographic2D::EPSG_TERN_ISLAND_1961)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4707')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TERN_ISLAND_1961)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4707')
```

Tete

Extent: Mozambique - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TETE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4127')
Geographic::fromSRID(Geographic2D::EPSG_TETE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4127')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TETE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4127')
```

Timbalai 1948

Extent: Brunei - onshore and offshore; Malaysia - East Malaysia (Sabah; Sarawak) - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4298')
Geographic::fromSRID(Geographic2D::EPSG_TIMBALAI_1948)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4298')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TIMBALAI_1948)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4298')
```

Adopts metric conversion of 39.370147 inches per metre. Replaced by GDM2000 (CRS code 4742) in East Malaysia and by GDBD2009 (CRS code 5247) in Brunei.

Tokyo

Extent: Japan - onshore; North Korea - onshore; South Korea - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4301')
Geographic::fromSRID(Geographic2D::EPSG_TOKYO)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4301')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TOKYO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4301')
```

In Japan, replaces Tokyo 1892 (CRS code 5132) and replaced by JGD2000 (code 4612) from April 2002. In Korea used only for geodetic applications before being replaced by Korean 1985 (code 4162).

Tokyo 1892

Extent: Japan - onshore; North Korea - onshore; South Korea - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5132')
Geographic::fromSRID(Geographic2D::EPSG_TOKYO_1892)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5132')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TOKYO_1892)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5132')
```

Extended from Japan to Korea in 1898. In Japan, replaced by Tokyo 1918 (CRS code 4301). In South Korea replaced by Tokyo 1918 only for geodetic applications; for all other purposes replaced by Korean 1985 (code 4162).

Trinidad 1903

Extent: Trinidad and Tobago - Trinidad - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_TRINIDAD_1903)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4302')
Geographic::fromSRID(Geographic2D::EPSG_TRINIDAD_1903)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4302')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TRINIDAD_1903)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4302')
```

Tristan 1968

Extent: St Helena, Ascension and Tristan da Cunha - Tristan da Cunha island group including Tristan, Inaccessible, Nightingale, Middle and Stoltenhoff Islands

```
Geographic2D::fromSRID(Geographic2D::EPSG_TRISTAN_1968)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4734')
Geographic::fromSRID(Geographic2D::EPSG_TRISTAN_1968)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4734')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_TRISTAN_1968)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4734')
```

UCS-2000

Extent: Ukraine - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::5561')
Geographic::fromSRID(Geographic2D::EPSG_UCS_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5561')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_UCS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5561')
```

Adopted 1st January 2007, replacing Pulkovo 1942 (CRS 4284).

VN-2000

Extent: Vietnam - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4756')
Geographic::fromSRID(Geographic2D::EPSG_VN_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4756')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VN_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4756')
```

Replaces Hanoi 1972 (CRS code 4147).

Vanua Levu 1915

Extent: Fiji - Vanua Levu and Taveuni

```
Geographic2D::fromSRID(Geographic2D::EPSG_VANUA_LEVU_1915)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4748')
Geographic::fromSRID(Geographic2D::EPSG_VANUA_LEVU_1915)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4748')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VANUA_LEVU_1915)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4748')
```

For topographic mapping, replaced by Fiji 1956 (CRS code 4721). For other purposes, replaced by Fiji 1986 (CRS code 4720).

Vientiane 1982

Extent: Laos

```
Geographic2D::fromSRID(Geographic2D::EPSG_VIENTIANE_1982)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4676')
Geographic::fromSRID(Geographic2D::EPSG_VIENTIANE_1982)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4676')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VIENTIANE_1982)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4676')
```

Replaced by Lao 1993 and then by Lao 1997. Vientiane 1982 coordinate values are within 3m of Lao 1997 values.

Viti Levu 1912

Extent: Fiji - Viti Levu island

```
Geographic2D::fromSRID(Geographic2D::EPSG_VITI_LEVU_1912)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4752')
Geographic::fromSRID(Geographic2D::EPSG_VITI_LEVU_1912)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4752')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VITI_LEVU_1912)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4752')
```

For topographic mapping, replaced by Fiji 1956 (CRS code 4721). For other purposes, replaced by Fiji 1986 (CRS code 4720).

Voirol 1875

Extent: Algeria - onshore north of 32°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4304')
Geographic::fromSRID(Geographic2D::EPSG_VOIROL_1875)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4304')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VOIROL_1875)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4304')
```

The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either. All replaced by Nord Sahara 1959 (CRS code 4307).

Voirol 1875 (Paris)

Extent: Algeria - onshore north of 32°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875_PARIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4811')
Geographic::fromSRID(Geographic2D::EPSG_VOIROL_1875_PARIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4811')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VOIROL_1875_PARIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4811')
```

The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either. All replaced by Nord Sahara 1959 (CRS code 4307).

Voirol 1879

Extent: Algeria - onshore north of 32°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1879)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4671')
Geographic::fromSRID(Geographic2D::EPSG_VOIROL_1879)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4671')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VOIROL_1879)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4671')
```

The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either. All replaced by Nord Sahara 1959 (CRS code 4307).

Voirol 1879 (Paris)

Extent: Algeria - onshore north of 32°N

```
Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1879_PARIS)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4821')
Geographic::fromSRID(Geographic2D::EPSG_VOIROL_1879_PARIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4821')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_VOIROL_1879_PARIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4821')
```

The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either. All replaced by Nord Sahara 1959 (CRS code 4307).

WGS 66

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_66)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4760')
Geographic::fromSRID(Geographic2D::EPSG_WGS_66)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4760')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_66)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4760')
```

Replaced by WGS 72.

WGS 72

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4322')
Geographic::fromSRID(Geographic2D::EPSG_WGS_72)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4322')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4322')
```

Replaced by WGS 84.

WGS 72BE

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4324')
Geographic::fromSRID(Geographic2D::EPSG_WGS_72BE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4324')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_72BE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4324')
```

Broadcast ephemeris. Replaced by WGS 84.

WGS 84

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4326')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4326')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4326')
```

WGS 84 (G1150)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1150)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9055')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G1150)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9055')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G1150)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9055')
```

Replaces WGS 84 (G873) (CRS code 9054) from 2002-01-20. Replaced by WGS 84 (G1674) (CRS code 9056) from 2012-02-08.

WGS 84 (G1674)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1674)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9056')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G1674)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9056')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G1674)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9056')
```

Replaces WGS 84 (G1150) (CRS code 9055) from 2012-02-08. Replaced by WGS 84 (G1762) (CRS code 9057) from 2013-10-16.

WGS 84 (G1762)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1762)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9057')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G1762)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9057')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G1762)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9057')
```

Replaces WGS 84 (G1674) (CRS code 9056) from 2013-10-16. Redesignated WGS 84 (G1762') in 2015 after changes to 7 NGA tracking station locations and antennas. Replaced by WGS 84 (G2139) (CRS code 9755) from 2021-01-03.

WGS 84 (G2139)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G2139)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9755')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G2139)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9755')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G2139)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9755')
```

Replaces WGS 84 (G1762) (CRS code 9057) from 2021-01-03. Replaced by WGS 84 (G2296) (CRS code 10606) from 2024-01-07.

WGS 84 (G2296)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G2296)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::10606')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G2296)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10606')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G2296)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10606')
```

Replaces WGS 84 (G2139) (CRS code 9755) from 2024-01-07.

WGS 84 (G730)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G730)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9053')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G730)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9053')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G730)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9053')
```

Replaces WGS 84 (Transit) (CRS code 8888) from 1994-06-29. Replaced by WGS84 (G873) (CRS code 9054) from 1997-01-29.

WGS 84 (G873)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G873)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::9054')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_G873)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9054')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_G873)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9054')
```

Replaces WGS 84 (G730) (CRS code 9053) from 1997-01-29. Replaced by WGS 84 (G1150) (CRS code 9055) from 2002-01-20.

WGS 84 (Transit)

Extent: World

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_TRANSIT)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::8888')
Geographic::fromSRID(Geographic2D::EPSG_WGS_84_TRANSIT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8888')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WGS_84_TRANSIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8888')
```

Replaced by WGS84 (G730) (CRS code 9053) from 1994-06-29.

Wake Island 1952

Extent: Wake atoll - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_WAKE_ISLAND_1952)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4733')
Geographic::fromSRID(Geographic2D::EPSG_WAKE_ISLAND_1952)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4733')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_WAKE_ISLAND_1952)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4733')
```

Xian 1980

Extent: China - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4610')
Geographic::fromSRID(Geographic2D::EPSG_XIAN_1980)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4610')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_XIAN_1980)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4610')
```

Replaces Beijing 1954 (CRS code 4214). Replaced by CGCS2000(CRS code 4490).

Yacare

Extent: Uruguay - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_YACARE)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4309')
Geographic::fromSRID(Geographic2D::EPSG_YACARE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4309')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_YACARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4309')
```

Replaced by SIRGAS-ROU98 (CRS code 5381).

Yemen NGN96

Extent: Yemen - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4163')
Geographic::fromSRID(Geographic2D::EPSG_YEMEN_NGN96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4163')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_YEMEN_NGN96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4163')
```

Yoff

Extent: Senegal - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_YOFF)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4310')
Geographic::fromSRID(Geographic2D::EPSG_YOFF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4310')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_YOFF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4310')
```

Zanderij

Extent: Suriname - onshore and offshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_ZANDERIJ)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4311')
Geographic::fromSRID(Geographic2D::EPSG_ZANDERIJ)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4311')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_ZANDERIJ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4311')
```

Introduced in 1975.

Fk89

Extent: Faroe Islands - onshore

```
Geographic2D::fromSRID(Geographic2D::EPSG_FK89)
Geographic2D::fromSRID('urn:ogc:def:crs:EPSG::4753')
Geographic::fromSRID(Geographic2D::EPSG_FK89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4753')
CoordinateReferenceSystem::fromSRID(Geographic2D::EPSG_FK89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4753')
```

Replaces FD54 (CRS code 4741). Coordinate differences are less than 0.05 seconds (2m). The name of this system is also used for the dependent projected CRS - see CRS code 3173.

1.6.3 Geographic 3D

Tip: You can access the list of supported geographic 3D CRSs at runtime using `Geographic3D::getSupportedSRIDs()` or `Geographic3D::getSupportedSRIDsWithHelp()`

ATRF2014

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ATRF2014)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9308')
Geographic::fromSRID(Geographic3D::EPSG_ATRF2014)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9308')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ATRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9308')
```

Australian Antarctic

Extent: Antarctica between 45°E and 136°E and between 142°E and 160°E - Australian sector

```
Geographic3D::fromSRID(Geographic3D::EPSG_AUSTRALIAN_ANTARCTIC)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4931')
Geographic::fromSRID(Geographic3D::EPSG_AUSTRALIAN_ANTARCTIC)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4931')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_AUSTRALIAN_ANTARCTIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4931')
```

BBT2000

Extent: Austria and Italy - on or related to the Brenner Base Tunnel rail route from Innsbruck to Fortezza (Franzensfeste)

```
Geographic3D::fromSRID(Geographic3D::EPSG_BBT2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10474')
Geographic::fromSRID(Geographic3D::EPSG_BBT2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10474')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_BBT2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10474')
```

BDA2000

Extent: Bermuda - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_BDA2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4887')
Geographic::fromSRID(Geographic3D::EPSG_BDA2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4887')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_BDA2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4887')
```

BGS2005

Extent: Bulgaria - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_BGS2005)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7797')
Geographic::fromSRID(Geographic3D::EPSG_BGS2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7797')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_BGS2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7797')
```

Adopted 2010-07-29.

BH_ETRS89

Extent: Bosnia and Herzegovina

```
Geographic3D::fromSRID(Geographic3D::EPSG_BH_ETRS89)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10327')
Geographic::fromSRID(Geographic3D::EPSG_BH_ETRS89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10327')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_BH_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10327')
```

CGRS93

Extent: Cyprus - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_CGRS93)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6310')
Geographic::fromSRID(Geographic3D::EPSG_CGRS93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6310')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CGRS93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6310')
```

CHTRS95

Extent: Liechtenstein; Switzerland

```
Geographic3D::fromSRID(Geographic3D::EPSG_CHTRS95)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4933')
Geographic::fromSRID(Geographic3D::EPSG_CHTRS95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4933')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CHTRS95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4933')
```

Referenced to ETRS89 at epoch 1993.0. For CRS used for topographic and cadastral purposes see CH1903+ (CRS code 4150).

CIGD11

Extent: Cayman Islands - onshore and offshore. Includes Grand Cayman, Little Cayman and Cayman Brac

```
Geographic3D::fromSRID(Geographic3D::EPSG_CIGD11)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6134')
Geographic::fromSRID(Geographic3D::EPSG_CIGD11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6134')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CIGD11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6134')
```

CR-SIRGAS

Extent: Costa Rica - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_CR_SIRGAS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8906')
Geographic::fromSRID(Geographic3D::EPSG_CR_SIRGAS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8906')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CR_SIRGAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8906')
```

Replaces CR05 (CRS code 5364) from April 2018.

CR05

Extent: Costa Rica - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_CR05)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5364')
Geographic::fromSRID(Geographic3D::EPSG_CR05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5364')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CR05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5364')
```

Replaced by CR-SIRGAS (CRS code 8906) from April 2018.

Cadastre 1997

Extent: Mayotte - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_CADASTRE_1997)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4472')
Geographic::fromSRID(Geographic3D::EPSG_CADASTRE_1997)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4472')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CADASTRE_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4472')
```

China Geodetic Coordinate System 2000

Extent: China - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4480')
Geographic::fromSRID(Geographic3D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4480')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_
↪2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4480')
```

DB_REF

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Geographic3D::fromSRID(Geographic3D::EPSG_DB_REF)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5830')
Geographic::fromSRID(Geographic3D::EPSG_DB_REF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5830')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_DB_REF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5830')
```

Geometric component of both DB_REF2003 and DB_REF2016 systems.

DGN95

Extent: Indonesia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_DGN95)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4898')
Geographic::fromSRID(Geographic3D::EPSG_DGN95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4898')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_DGN95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4898')
```

DRUKREF 03

Extent: Bhutan

```
Geographic3D::fromSRID(Geographic3D::EPSG_DRUKREF_03)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5263')
Geographic::fromSRID(Geographic3D::EPSG_DRUKREF_03)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5263')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_DRUKREF_03)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5263')
```

EST97

Extent: Estonia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_EST97)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4935')
Geographic::fromSRID(Geographic3D::EPSG_EST97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4935')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_EST97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4935')
```

ETRF2000

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7931')
Geographic::fromSRID(Geographic3D::EPSG_ETRF2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7931')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7931')
```

Replaces ETRF97 (code 7929). On the publication of ETRF2005 the EUREF Technical Working Group recommended ETRF2000 be the realization of ETRS89. ETRF2014 and ETRF2020 (codes 8403 and 10570) are technically superior to all earlier realizations of ETRS89.

ETRF2000-PL

Extent: Poland - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000_PL)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9701')
Geographic::fromSRID(Geographic3D::EPSG_ETRF2000_PL)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9701')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF2000_PL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9701')
```

Adopted from 2012-12-01.

ETRF2005

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2005)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8399')
Geographic::fromSRID(Geographic3D::EPSG_ETRF2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8399')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8399')
```

On publication in 2007 of this CRS, the EUREF Technical Working Group recommended that ETRF2000 (EPSG code 7931) remained as the preferred realization of ETRS89. Replaced by ETRF2014 (code 8403).

ETRF2014

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2014)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8403')
Geographic::fromSRID(Geographic3D::EPSG_ETRF2014)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8403')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8403')
```

Replaces ETRF2005 (code 8399). ETRF2014 is technically superior to ETRF2000 but ETRF2000 and other previous realizations may be preferred for backward compatibility reasons. Differences between ETRF2014 and ETRF2000 can reach 7cm.

ETRF2020

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2020)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10570')
Geographic::fromSRID(Geographic3D::EPSG_ETRF2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10570')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10570')
```

Replaces ETRF2014 (code 8403). ETRF2020 is technically superior to ETRF2000 but ETRF2000 and other previous realizations may be preferred for backward compatibility reasons. Differences between ETRF2020 and ETRF2000 can reach 7cm.

ETRF89

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF89)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7915')
Geographic::fromSRID(Geographic3D::EPSG_ETRF89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7915')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7915')
```

Replaced by ETRF90 (code 7917).

ETRF90

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF90)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7917')
Geographic::fromSRID(Geographic3D::EPSG_ETRF90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7917')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7917')
```

Replaces ETRF89 (code 7915). Replaced by ETRF91 (code 7919).

ETRF91

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF91)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7919')
Geographic::fromSRID(Geographic3D::EPSG_ETRF91)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7919')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF91)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7919')
```

Replaces ETRF90 (code 7917). Replaced by ETRF92 (code 7921).

ETRF92

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF92)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7921')
Geographic::fromSRID(Geographic3D::EPSG_ETRF92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7921')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7921')
```

Replaces ETRF91 (code 7919). Replaced by ETRF93 (code 7923).

ETRF93

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF93)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7923')
Geographic::fromSRID(Geographic3D::EPSG_ETRF93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7923')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7923')
```

Replaces ETRF92 (code 7921). Replaced by ETRF94 (code 7925).

ETRF94

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7925')
Geographic::fromSRID(Geographic3D::EPSG_ETRF94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7925')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7925')
```

Replaces ETRF93 (code 7923). Replaced by ETRF96 (code 7927).

ETRF96

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7927')
Geographic::fromSRID(Geographic3D::EPSG_ETRF96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7927')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7927')
```

Replaces ETRF94 (code 7925). Replaced by ETRF97 (code 7929).

ETRF97

Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF97)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7929')
Geographic::fromSRID(Geographic3D::EPSG_ETRF97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7929')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRF97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7929')
```

Replaces ETRF96 (code 7927). Replaced by ETRF2000 (code 7931).

ETRS89

Extent: Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4937')
Geographic::fromSRID(Geographic3D::EPSG_ETRS89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4937')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4937')
```

Has been realized through ETRF89, ETRF90, ETRF91, ETRF92, ETRF93, ETRF94, ETRF96, ETRF97, ETRF2000, ETRF2005 and ETRF2014. This ‘ensemble’ covers any or all of these realizations without distinction.

ETRS89/DREF91/2016

Extent: Germany - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89_DREF91_2016)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10283')
Geographic::fromSRID(Geographic3D::EPSG_ETRS89_DREF91_2016)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10283')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ETRS89_DREF91_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10283')
```

German national realization of ETRS89. Replaces ETRS89/DREF91 Realization 2002 from 2016-12-01.

FEH2010

Extent: Fehmarnbelt area of Denmark and Germany

```
Geographic3D::fromSRID(Geographic3D::EPSG_FEH2010)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5592')
Geographic::fromSRID(Geographic3D::EPSG_FEH2010)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5592')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_FEH2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5592')
```

GDA2020

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDA2020)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7843')
Geographic::fromSRID(Geographic3D::EPSG_GDA2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7843')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_GDA2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7843')
```

GDA94

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDA94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4939')
Geographic::fromSRID(Geographic3D::EPSG_GDA94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4939')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_GDA94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4939')
```

GDBD2009

Extent: Brunei Darussalam - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDBD2009)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5245')
Geographic::fromSRID(Geographic3D::EPSG_GDBD2009)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5245')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_GDBD2009)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5245')
```

GDM2000

Extent: Malaysia - onshore and offshore. Includes peninsular Malayasia, Sabah and Sarawak

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDM2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4921')
Geographic::fromSRID(Geographic3D::EPSG_GDM2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4921')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_GDM2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4921')
```

GR96

Extent: Greenland - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_GR96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4909')
Geographic::fromSRID(Geographic3D::EPSG_GR96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4909')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_GR96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4909')
```

GSK-2011

Extent: Russian Federation - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_GSK_2011)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7682')
Geographic::fromSRID(Geographic3D::EPSG_GSK_2011)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7682')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_GSK_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7682')
```

HTRS96

Extent: Croatia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_HTRS96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4889')
Geographic::fromSRID(Geographic3D::EPSG_HTRS96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4889')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_HTRS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4889')
```

Hartebeesthoek94

Extent: Eswatini (Swaziland); Lesotho; South Africa - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_HARTEBEESTHOEK94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4941')
Geographic::fromSRID(Geographic3D::EPSG_HARTEBEESTHOEK94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4941')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_HARTEBEESTHOEK94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4941')
```

Hong Kong Geodetic CS

Extent: China - Hong Kong - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_HONG_KONG_GEODETIC_CS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8426')
Geographic::fromSRID(Geographic3D::EPSG_HONG_KONG_GEODETIC_CS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8426')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_HONG_KONG_GEODETIC_CS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8426')
```

Locally sometimes referred to as ITRF96 or WGS 84, these are not strictly correct.

IG05 Intermediate CRS

Extent: Israel - onshore; Palestine Territory - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_IG05_INTERMEDIATE_CRS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6982')
Geographic::fromSRID(Geographic3D::EPSG_IG05_INTERMEDIATE_CRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6982')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IG05_INTERMEDIATE_CRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6982')
```

Intermediate system not used for spatial referencing - use IGD05 (CRS code 6979).

IG05/12 Intermediate CRS

Extent: Israel - onshore; Palestine Territory - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_IG05_12_INTERMEDIATE_CRS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6989')
Geographic::fromSRID(Geographic3D::EPSG_IG05_12_INTERMEDIATE_CRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6989')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IG05_12_INTERMEDIATE_CRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6989')
```

Intermediate system not used for spatial referencing - use IGD05/12 (CRS code 6986).

IGD05

Extent: Israel - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGD05)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7135')
Geographic::fromSRID(Geographic3D::EPSG_IGD05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7135')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGD05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7135')
```

Replaced by IGD05/12 (CRS code 7138).

IGD05/12

Extent: Israel - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGD05_12)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7138')
Geographic::fromSRID(Geographic3D::EPSG_IGD05_12)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7138')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGD05_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7138')
```

Replaces IGD05 (CRS code 7135).

IGM95

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGM95)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4983')
Geographic::fromSRID(Geographic3D::EPSG_IGM95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4983')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGM95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4983')
```

Replaced by RDN2008 (CRS code 6705) from 2011-11-10.

IGRS

Extent: Iraq - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGRS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::3888')
Geographic::fromSRID(Geographic3D::EPSG_IGRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3888')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3888')
```

IGS00

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS00)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9005')
Geographic::fromSRID(Geographic3D::EPSG_IGS00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9005')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGS00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9005')
```

Adopted by the International GNSS Service (IGS) from 2001-12-02 through 2004-01-10. Replaces IGS97, replaced by IGb00 (CRS codes 9002 and 9008). For all practical purposes IGS00 is equivalent to ITRF2000.

IGS05

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS05)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9011')
Geographic::fromSRID(Geographic3D::EPSG_IGS05)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9011')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGS05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9011')
```

Adopted by the International GNSS Service (IGS) from 2006-11-05 through 2011-04-16. Replaces IGb00, replaced by IGS08 (CRS codes 9008 and 9013). For all practical purposes IGS05 is equivalent to ITRF2005.

IGS08

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS08)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9013')
Geographic::fromSRID(Geographic3D::EPSG_IGS08)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9013')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGS08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9013')
```

Used for products from International GNSS Service (IGS) analysis centres from 2011-04-17 through 2012-10-06. Replaces IGS05 (code 9011). Replaced by IGb08 (code 9016). For most practical purposes IGS08 is equivalent to ITRF2008.

IGS14

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS14)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9018')
Geographic::fromSRID(Geographic3D::EPSG_IGS14)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9018')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGS14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9018')
```

Used for products from the International GNSS Service (IGS) from 2017-01-29 to 2020-05-16. Replaces IGb08 (code 9016), replaced by IGb14 (code 9379). For most practical purposes IGS14 is equivalent to ITRF2014.

IGS20

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS20)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10177')
Geographic::fromSRID(Geographic3D::EPSG_IGS20)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10177')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGS20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10177')
```

Used for products from the International GNSS Service (IGS) from 2022-11-27. Replaces IGb14 (code 9379). For most practical purposes IGS20 is equivalent to ITRF2020.

IGS97

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS97)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9002')
Geographic::fromSRID(Geographic3D::EPSG_IGS97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9002')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGS97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9002')
```

Adopted by the International GNSS Service (IGS) from 2000-06-04 through 2001-12-01. Replaced by IGS00 (CRS code 9005). For all practical purposes IGS97 is equivalent to ITRF97.

IGb00

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGB00)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9008')
Geographic::fromSRID(Geographic3D::EPSG_IGB00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9008')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGB00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9008')
```

Adopted by the International GNSS Service (IGS) from 2004-01-11 through 2006-11-04. Replaces IGS00, replaced by IGS05 (CRS codes 9005 and 9011). For all practical purposes IGb00 is equivalent to ITRF2000.

IGb08

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGB08)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9016')
Geographic::fromSRID(Geographic3D::EPSG_IGB08)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9016')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGB08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9016')
```

Adopted by the International GNSS Service (IGS) from 2012-10-07 through 2017-01-28. Replaces IGS08, replaced by IGS14 (CRS codes 9013 and 9018). For all practical purposes IGb08 is equivalent to ITRF2008.

IGb14

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGB14)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9379')
Geographic::fromSRID(Geographic3D::EPSG_IGB14)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9379')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IGB14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9379')
```

Used for products from the International GNSS Service (IGS) from 2020-05-17. Replaces IGS14 (code 9018), replaced by IGS20 (code 10177). For most practical purposes IGb14 is equivalent to ITRF2014.

IRENET95

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_IRENET95)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4943')
Geographic::fromSRID(Geographic3D::EPSG_IRENET95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4943')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_IRENET95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4943')
```

ISN2004

Extent: Iceland - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ISN2004)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5323')
Geographic::fromSRID(Geographic3D::EPSG_ISN2004)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5323')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ISN2004)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5323')
```

Replaces ISN93 (CRS code 4945). Replaced by ISN2016 (CRS code 8085).

ISN2016

Extent: Iceland - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ISN2016)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8085')
Geographic::fromSRID(Geographic3D::EPSG_ISN2016)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8085')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ISN2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8085')
```

Replaces ISN2004 (CRS code 5323) from September 2017.

ISN93

Extent: Iceland - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ISN93)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4945')
Geographic::fromSRID(Geographic3D::EPSG_ISN93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4945')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ISN93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4945')
```

Replaced by ISN2004 (CRS code 5323).

ITRF2000

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7909')
Geographic::fromSRID(Geographic3D::EPSG_ITRF2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7909')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7909')
```

Replaces ITRF97 (code 7908). Replaced by ITRF2005 (code 7910).

ITRF2005

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2005)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7910')
Geographic::fromSRID(Geographic3D::EPSG_ITRF2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7910')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7910')
```

Replaces ITRF2000 (code 7909). Replaced by ITRF2008 (code 7911).

ITRF2008

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2008)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7911')
Geographic::fromSRID(Geographic3D::EPSG_ITRF2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7911')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7911')
```

Replaces ITRF2005 (code 7910). Replaced by ITRF2014 (code 7912).

ITRF2014

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2014)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7912')
Geographic::fromSRID(Geographic3D::EPSG_ITRF2014)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7912')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF2014)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7912')
```

Replaces ITRF2008 (code 7911). Replaced by ITRF2020 (CRS code 9989).

ITRF2020

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2020)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9989')
Geographic::fromSRID(Geographic3D::EPSG_ITRF2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9989')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9989')
```

Replaces ITRF2014 (code 7912).

ITRF88

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF88)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7900')
Geographic::fromSRID(Geographic3D::EPSG_ITRF88)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7900')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF88)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7900')
```

Replaced by ITRF89 (code 7901).

ITRF89

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF89)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7901')
Geographic::fromSRID(Geographic3D::EPSG_ITRF89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7901')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7901')
```

Replaces ITRF88 (code 7900). Replaced by ITRF90 (code 7902).

ITRF90

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF90)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7902')
Geographic::fromSRID(Geographic3D::EPSG_ITRF90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7902')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7902')
```

Replaces ITRF89 (code 7901). Replaced by ITRF91 (code 7903).

ITRF91

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF91)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7903')
Geographic::fromSRID(Geographic3D::EPSG_ITRF91)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7903')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF91)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7903')
```

Replaces ITRF90 (code 7902). Replaced by ITRF92 (code 7904).

ITRF92

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF92)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7904')
Geographic::fromSRID(Geographic3D::EPSG_ITRF92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7904')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7904')
```

Replaces ITRF91 (code 7903). Replaced by ITRF93 (code 7905).

ITRF93

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF93)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7905')
Geographic::fromSRID(Geographic3D::EPSG_ITRF93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7905')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7905')
```

Replaces ITRF92 (code 7904). Replaced by ITRF94 (code 7906).

ITRF94

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7906')
Geographic::fromSRID(Geographic3D::EPSG_ITRF94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7906')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7906')
```

Replaces ITRF93 (code 7905). Replaced by ITRF96 (code 7907).

ITRF96

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7907')
Geographic::fromSRID(Geographic3D::EPSG_ITRF96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7907')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7907')
```

Replaces ITRF94 (code 7906). Replaced by ITRF97 (code 7908).

ITRF97

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF97)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7908')
Geographic::fromSRID(Geographic3D::EPSG_ITRF97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7908')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ITRF97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7908')
```

Replaces ITRF96 (code 7907). Replaced by ITRF2000 (code 7909).

JAD2001

Extent: Jamaica - onshore and offshore. Includes Morant Cays and Pedro Cays

```
Geographic3D::fromSRID(Geographic3D::EPSG_JAD2001)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4895')
Geographic::fromSRID(Geographic3D::EPSG_JAD2001)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4895')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_JAD2001)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4895')
```

JGD2000

Extent: Japan - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_JGD2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4947')
Geographic::fromSRID(Geographic3D::EPSG_JGD2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4947')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_JGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4947')
```

From 21st October 2011 replaced by JGD2011 (CRS code 6667).

JGD2011

Extent: Japan - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_JGD2011)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6667')
Geographic::fromSRID(Geographic3D::EPSG_JGD2011)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6667')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_JGD2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6667')
```

Replaces JGD2000 (CRS code 4947) with effect from 21st October 2011.

KGD2002

Extent: Republic of Korea (South Korea) - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_KGD2002)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4927')
Geographic::fromSRID(Geographic3D::EPSG_KGD2002)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4927')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_KGD2002)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4927')
```

KOSOVAREF01

Extent: Kosovo

```
Geographic3D::fromSRID(Geographic3D::EPSG_KOSOVAREF01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9139')
Geographic::fromSRID(Geographic3D::EPSG_KOSOVAREF01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9139')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_KOSOVAREF01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9139')
```

KSA-GRF17

Extent: Saudi Arabia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_KSA_GRF17)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9332')
Geographic::fromSRID(Geographic3D::EPSG_KSA_GRF17)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9332')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_KSA_GRF17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9332')
```

Kyrg-06

Extent: Kyrgyzstan

```
Geographic3D::fromSRID(Geographic3D::EPSG_KYRG_06)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7685')
Geographic::fromSRID(Geographic3D::EPSG_KYRG_06)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7685')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_KYRG_06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7685')
```

LGD2006

Extent: Libya - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_LGD2006)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4900')
Geographic::fromSRID(Geographic3D::EPSG_LGD2006)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4900')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LGD2006)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4900')
```

LKS-2020

Extent: Latvia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_LKS_2020)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10304')
Geographic::fromSRID(Geographic3D::EPSG_LKS_2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10304')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LKS_2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10304')
```

Replaces LKS-92 (CRS code 4949).

LKS-92

Extent: Latvia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_LKS_92)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4949')
Geographic::fromSRID(Geographic3D::EPSG_LKS_92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4949')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LKS_92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4949')
```

Replaced by LKS-2020 (CRS code 10304).

LKS94

Extent: Lithuania - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_LKS94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4951')
Geographic::fromSRID(Geographic3D::EPSG_LKS94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4951')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LKS94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4951')
```

LTF2004(G)

Extent: France and Italy - on or related to the rail route from Lyon to Turin

```
Geographic3D::fromSRID(Geographic3D::EPSG_LTF2004_G)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9546')
Geographic::fromSRID(Geographic3D::EPSG_LTF2004_G)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9546')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LTF2004_G)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9546')
```

LUREF

Extent: Luxembourg

```
Geographic3D::fromSRID(Geographic3D::EPSG_LUREF)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9893')
Geographic::fromSRID(Geographic3D::EPSG_LUREF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9893')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LUREF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9893')
```

Ellipsoidal height approximates to NG95 gravity-related heights to within 5-15cm. For accurate heighting use compound CRS LUREF / Luxembourg TM + NG95 height (code 9897).

Lao 1993

Extent: Laos

```
Geographic3D::fromSRID(Geographic3D::EPSG_LAO_1993)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4991')
Geographic::fromSRID(Geographic3D::EPSG_LAO_1993)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4991')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LAO_1993)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4991')
```

Replaced by Lao 1997. Lao 1993 coordinate values are within 1m of Lao 1997 values.

Lao 1997

Extent: Laos

```
Geographic3D::fromSRID(Geographic3D::EPSG_LAO_1997)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4993')
Geographic::fromSRID(Geographic3D::EPSG_LAO_1997)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4993')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_LAO_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4993')
```

Replaces Lao 1993. Lao 1993 coordinate values are within 1m of Lao 1997 values.

MACARIO SOLIS

Extent: Panama - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MACARIO_SOLIS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5370')
Geographic::fromSRID(Geographic3D::EPSG_MACARIO_SOLIS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5370')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MACARIO_SOLIS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5370')
```

Densification of SIRGAS 2000 within Panama.

MAGNA-SIRGAS

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Geographic3D::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4997')
Geographic::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4997')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4997')
```

For high accuracy purposes replaced by MAGNA-SIRGAS 2018 (code 20045).

MAGNA-SIRGAS 2018

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Geographic3D::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS_2018)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::20045')
Geographic::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS_2018)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::20045')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS_2018)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20045')
```

MARGEN

Extent: Bolivia

```
Geographic3D::fromSRID(Geographic3D::EPSG_MARGEN)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5353')
Geographic::fromSRID(Geographic3D::EPSG_MARGEN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5353')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MARGEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5353')
```

MGI

Extent: Austria

```
Geographic3D::fromSRID(Geographic3D::EPSG_MGI)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9267')
Geographic::fromSRID(Geographic3D::EPSG_MGI)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9267')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MGI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9267')
```

Created retrospectively to support geoid model based on Bessel ellipsoid.

MOLDREF99

Extent: Moldova

```
Geographic3D::fromSRID(Geographic3D::EPSG_MOLDREF99)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4017')
Geographic::fromSRID(Geographic3D::EPSG_MOLDREF99)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4017')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MOLDREF99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4017')
```

MTRF-2000

Extent: Saudi Arabia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MTRF_2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8817')
Geographic::fromSRID(Geographic3D::EPSG_MTRF_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8817')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MTRF_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8817')
```

Macao 2008

Extent: China - Macao - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MACAO_2008)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8430')
Geographic::fromSRID(Geographic3D::EPSG_MACAO_2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8430')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MACAO_2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8430')
```

Locally sometimes referred to as ITRF2005, this is not strictly correct.

Mauritania 1999

Extent: Mauritania - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MAURITANIA_1999)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4925')
Geographic::fromSRID(Geographic3D::EPSG_MAURITANIA_1999)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4925')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MAURITANIA_1999)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4925')
```

Mexico ITRF2008

Extent: Mexico - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MEXICO_ITRF2008)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6364')
Geographic::fromSRID(Geographic3D::EPSG_MEXICO_ITRF2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6364')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MEXICO_ITRF2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6364')
```

Replaces Mexico ITRF92 (CRS code 4482) from December 2010.

Mexico ITRF92

Extent: Mexico - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MEXICO_ITRF92)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4482')
Geographic::fromSRID(Geographic3D::EPSG_MEXICO_ITRF92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4482')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MEXICO_ITRF92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4482')
```

Replaced by Mexico ITRF2008 (CRS code 6364) from December 2010.

Moznet

Extent: Mozambique - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_MOZNET)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4953')
Geographic::fromSRID(Geographic3D::EPSG_MOZNET)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4953')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_MOZNET)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4953')
```

NAD83(2011)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_2011)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6319')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_2011)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6319')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6319')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(CORS96) and NAD83(NSRS2007) (CRS codes 6782 and 4893).

NAD83(CORS96)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CORS96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6782')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CORS96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6782')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CORS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6782')
```

Note: this CRS includes POSITIVE EAST longitudes. Replaced by NAD83(2011) (CRS code 6319) from 2011-09-06.

NAD83(CSRS)

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4955')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4955')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4955')
```

Includes all versions of NAD83(CSRS) from v2 [CSRS98] onwards without specific identification. As such it has an accuracy of approximately 1m. Note: this CRS includes longitudes which are POSITIVE EAST.

NAD83(CSRS)v2

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V2)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8235')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V2)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8235')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8235')
```

Adopted by the Canadian federal government from 1998-01-01 and by the provincial governments of British Columbia, New Brunswick, Prince Edward Island and Quebec. Replaces NAD83(CSRS96). Replaced by NAD83(CSRS)v3 (code 8239). Longitudes are POSITIVE EAST.

NAD83(CSRS)v3

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V3)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8239')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V3)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8239')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8239')
```

Adopted by the Canadian federal government from 1999-01-01 and by the provincial governments of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario and Saskatchewan. Replaces NAD83(CSRS)v2. Replaced by NAD83(CSRS)v4.

NAD83(CSRS)v4

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V4)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8244')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V4)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8244')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8244')
```

Adopted by the Canadian federal government from 2002-01-01 and by the provincial governments of Alberta and British Columbia. Replaces NAD83(CSRS)v3. Replaced by NAD83(CSRS)v5 (CRS code 8248). Longitudes are POSITIVE EAST.

NAD83(CSRS)v5

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V5)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8248')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V5)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8248')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8248')
```

Adopted by the Canadian federal government from 2006-01-01. Replaces NAD83(CSRS)v4. Replaced by NAD83(CSRS)v6. Longitudes are POSITIVE EAST.

NAD83(CSRS)v6

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V6)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8251')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V6)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8251')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8251')
```

Adopted by the Canadian federal government from 2010-01-01 and the provincial governments of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario and Prince Edward Island. Replaces NAD83(CSRS)v5. Replaced by NAD83(CSRS)v7.

NAD83(CSRS)v7

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V7)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8254')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V7)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8254')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8254')
```

Adopted by the Canadian federal government from 2017-05-01 and the provincial government of Alberta. Replaces NAD83(CSRS)v6. Replaced by NAD83(CSRS)v8. Longitudes are POSITIVE EAST.

NAD83(CSRS)v8

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V8)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10413')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V8)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10413')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10413')
```

Adopted by the Canadian federal government from 2022-11-27. Replaces NAD83(CSRS)v7. Longitudes are POSITIVE EAST.

NAD83(CSRS96)

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8231')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_CSRS96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8231')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_CSRS96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8231')
```

Adopted by the Canadian federal government from 1996-01-01. Replaced by NAD83(CSRS)v2 (CRS code 8235). Note: this CRS includes longitudes which are POSITIVE EAST.

NAD83(FBN)

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands - onshore. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - CONUS - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming - onshore plus Gulf of Mexico offshore continental shelf (GoM OCS). US Virgin Islands - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_FBN)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8542')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_FBN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8542')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_FBN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8542')
```

Continental US, American Samoa, Guam/NMI and PRVI, replaces NAD83(HARN). In Continental US, Puerto Rico and US Virgin Islands replaced by NAD83(NSRS2007). In American Samoa and Hawaii replaced by NAD83(PA11). In Guam/NMI replaced by NAD83(MA11).

NAD83(HARN Corrected)

Extent: Puerto Rico and US Virgin Islands - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_HARN_CORRECTED)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8544')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_HARN_CORRECTED)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8544')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_HARN_CORRECTED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8544')
```

Note: this CRS includes POSITIVE EAST longitudes. In PRVI replaces NAD83(HARN) = NAD83(1993 PRVI) to correct errors. Replaced by NAD83(FBN) = NAD83(2002 PRVI).

NAD83(HARN)

Extent: American Samoa - onshore - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - onshore Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming; offshore Gulf of Mexico continental shelf (GoM OCS). US Virgin Islands - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_HARN)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4957')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_HARN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4957')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_HARN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4957')
```

In CONUS and Hawaii replaces NAD83 for applications with an accuracy of better than 1m. Replaced by NAD83(FBN) in CONUS, American Samoa and Guam / NMI, by NAD83(NSRS2007) in Alaska, by NAD83(PA11) in Hawaii and by NAD83(HARN Corrected) in PRVI.

NAD83(MA11)

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MA11)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6324')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_MA11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6324')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_MA11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6324')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam.

NAD83(MARP00)

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MARP00)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9071')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_MARP00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9071')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_MARP00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9071')
```

Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam. Replaced by NAD83(MA11).

NAD83(NSRS2007)

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_NSRS2007)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4893')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_NSRS2007)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4893')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_NSRS2007)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4893')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(HARN) and NAD83(FBN). Replaced by NAD83(2011).

NAD83(PA11)

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PA11)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6321')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_PA11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6321')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_PA11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6321')
```

Note: this CRS includes longitudes which are POSITIVE EAST. Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa.

NAD83(PACP00)

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PACP00)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9074')
Geographic::fromSRID(Geographic3D::EPSG_NAD83_PACP00)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9074')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NAD83_PACP00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9074')
```

Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa. Replaced by NAD83(PA11).

NZGD2000

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Geographic3D::fromSRID(Geographic3D::EPSG_NZGD2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4959')
Geographic::fromSRID(Geographic3D::EPSG_NZGD2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4959')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_NZGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4959')
```

ONGD14

Extent: Oman - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ONGD14)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7372')
Geographic::fromSRID(Geographic3D::EPSG_ONGD14)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7372')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ONGD14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7372')
```

In Oman replaces usage of WGS 84 (G873) from 2014. Replaced by ONGD17 (CRS code 9293) from March 2019.

ONGD17

Extent: Oman - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ONGD17)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9293')
Geographic::fromSRID(Geographic3D::EPSG_ONGD17)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9293')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ONGD17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9293')
```

Replaces ONGD14 (CRS code 7372) from March 2019.

PNG94

Extent: Papua New Guinea - onshore and offshore. Includes Bismark archipelago, Louisade archipelago, Admiralty Islands, d'Entrecasteaux Islands, northern Solomon Islands, Trobriand Islands, New Britain, New Ireland, Woodlark, and associated islands

```
Geographic3D::fromSRID(Geographic3D::EPSG_PNG94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5545')
Geographic::fromSRID(Geographic3D::EPSG_PNG94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5545')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PNG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5545')
```

POSGAR 2007

Extent: Argentina - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_2007)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5342')
Geographic::fromSRID(Geographic3D::EPSG_POSGAR_2007)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5342')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_POSGAR_2007)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5342')
```

Adopted as official replacement of POSGAR 94 in May 2009. Also replaces de facto use of POSGAR 98 as of same date.

POSGAR 94

Extent: Argentina - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_94)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4929')
Geographic::fromSRID(Geographic3D::EPSG_POSGAR_94)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4929')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_POSGAR_94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4929')
```

Legally adopted in May 1997. Replaced by POSGAR 98 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 in May 2009.

POSGAR 98

Extent: Argentina - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_98)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4961')
Geographic::fromSRID(Geographic3D::EPSG_POSGAR_98)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4961')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_POSGAR_98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4961')
```

Densification in Argentina of SIRGAS 1995. Until May 2009 replaced POSGAR 94 for many practical purposes (but not as the legal system). POSGAR 94 was officially replaced by POSGAR 2007 in May 2009.

PRS92

Extent: Philippines - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_PRS92)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4995')
Geographic::fromSRID(Geographic3D::EPSG_PRS92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4995')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PRS92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4995')
```

PTRA08

Extent: Portugal - Azores and Madeira island groups and surrounding EEZ - Flores, Corvo; Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel, Santa Maria; Madeira, Porto Santo, Desertas; Selvagens

```
Geographic3D::fromSRID(Geographic3D::EPSG_PTRA08)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5012')
Geographic::fromSRID(Geographic3D::EPSG_PTRA08)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5012')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PTRA08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5012')
```

PZ-90

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4923')
Geographic::fromSRID(Geographic3D::EPSG_PZ_90)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4923')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PZ_90)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4923')
```

Replaced by PZ-90.02 from 2007-09-20.

PZ-90.02

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90_02)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7678')
Geographic::fromSRID(Geographic3D::EPSG_PZ_90_02)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7678')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PZ_90_02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7678')
```

Replaces PZ-90 (CRS code 4923) from 2007-09-20. Replaced by PZ-90.11 (CRS code 7680) from 2014-01-15.

PZ-90.11

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90_11)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7680')
Geographic::fromSRID(Geographic3D::EPSG_PZ_90_11)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7680')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PZ_90_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7680')
```

Replaces PZ-90.02 (CRS code 7678) from 2014-01-15.

Peru96

Extent: Peru - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_PERU96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5372')
Geographic::fromSRID(Geographic3D::EPSG_PERU96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5372')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_PERU96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5372')
```

RDN2008

Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Geographic3D::fromSRID(Geographic3D::EPSG_RDN2008)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::6705')
Geographic::fromSRID(Geographic3D::EPSG_RDN2008)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::6705')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RDN2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6705')
```

Replaces IGM95 (CRS code 4983) from 2011-11-10.

REDGEOMIN

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic3D::fromSRID(Geographic3D::EPSG_REDGEOMIN)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9695')
Geographic::fromSRID(Geographic3D::EPSG_REDGEOMIN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9695')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_REDGEOMIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9695')
```

REGCAN95

Extent: Spain - Canary Islands onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_REGCAN95)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4080')
Geographic::fromSRID(Geographic3D::EPSG_REGCAN95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4080')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_REGCAN95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4080')
```

REGVEN

Extent: Venezuela - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_REGVEN)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4963')
Geographic::fromSRID(Geographic3D::EPSG_REGVEN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4963')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_REGVEN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4963')
```

Densification in Venezuela of SIRGAS.

RGAF09

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGAF09)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5488')
Geographic::fromSRID(Geographic3D::EPSG_RGAF09)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5488')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGAF09)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5488')
```

Replaces RRAF 1991 (CRS code 4557). See CRS code 7085 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGAF09 (lon-lat)

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGAF09_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7085')
Geographic::fromSRID(Geographic3D::EPSG_RGAF09_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7085')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGAF09_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7085')
```

Replaces RRAF 1991 (CRS code 4557). See CRS code 5488 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGF93 v1

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V1)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4965')
Geographic::fromSRID(Geographic3D::EPSG_RGF93_V1)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4965')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGF93_V1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4965')
```

See CRS code 7042 for alternate system with horizontal axes reversed used by IGN for GIS purposes. Replaced by RGF93 v2 (CRS code 9776) from 2010-06-18.

RGF93 v1 (lon-lat)

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V1_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7042')
Geographic::fromSRID(Geographic3D::EPSG_RGF93_V1_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7042')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGF93_V1_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7042')
```

See CRS code 4965 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes. Replaced by RGF93 v2 (lon-lat) (CRS code 9778) from 2010-06-18.

RGF93 v2

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9776')
Geographic::fromSRID(Geographic3D::EPSG_RGF93_V2)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9776')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGF93_V2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9776')
```

Replaces RGF93 v1 CRS code 4965) from 2010-06-18 . Replaced by RGF93 v2b (CRS code 9781) from 2021-01-05. See CRS code 9778 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGF93 v2 (lon-lat)

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9778')
Geographic::fromSRID(Geographic3D::EPSG_RGF93_V2_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9778')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGF93_V2_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9778')
```

Replaces RGF93 v1 (lon-lat) from 2010-06-18. Replaced by RGF93 v2b (lon-lat) (CRS code 9783) from 2021-01-05. See CRS code 9776 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGF93 v2b

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9781')
Geographic::fromSRID(Geographic3D::EPSG_RGF93_V2B)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9781')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGF93_V2B)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9781')
```

Replaces RGF93 v2 (CRS code 9776) from 2021-01-05. See CRS code 9783 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGF93 v2b (lon-lat)

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9783')
Geographic::fromSRID(Geographic3D::EPSG_RGF93_V2B_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9783')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGF93_V2B_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9783')
```

Replaces RGF93 v2 (lon-lat) (CRS code 9778) from 2021-01-05. See CRS code 9781 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGFG95

Extent: French Guiana - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGFG95)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4967')
Geographic::fromSRID(Geographic3D::EPSG_RGFG95)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4967')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGFG95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4967')
```

See CRS code 7040 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGFG95 (lon-lat)

Extent: French Guiana - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGFG95_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7040')
Geographic::fromSRID(Geographic3D::EPSG_RGFG95_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7040')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGFG95_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7040')
```

See CRS code 4967 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGM04

Extent: Mayotte - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGM04)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4469')
Geographic::fromSRID(Geographic3D::EPSG_RGM04)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4469')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGM04)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4469')
```

See CRS code 7038 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGM04 (lon-lat)

Extent: Mayotte - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGM04_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7038')
Geographic::fromSRID(Geographic3D::EPSG_RGM04_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7038')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGM04_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7038')
```

See CRS code 4469 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGNC15

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10309')
Geographic::fromSRID(Geographic3D::EPSG_RGNC15)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10309')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGNC15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10309')
```

Replaces RGNC91-93 (CRS code 4907). See CRS code 10311 for alternate system with horizontal axes reversed used by DITTT for GIS purposes.

RGNC15 (lon-lat)

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10311')
Geographic::fromSRID(Geographic3D::EPSG_RGNC15_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10311')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGNC15_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10311')
```

Replaces RGNC91-93 (lon-lat) (CRS code 10300). See CRS code 10309 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGNC91-93

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGNC91_93)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4907')
Geographic::fromSRID(Geographic3D::EPSG_RGNC91_93)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4907')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGNC91_93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4907')
```

Replaces older systems IGN56 Lifou, IGN72 Grande Terre, ST87 Ouvea, IGN53 Mare, ST84 Ile des Pins, ST71 Belep and NEA74 Noumea. Replaced by RGNC15 (CRS 10309). See CRS code 10300 for alternate system with axes reversed used by DITTT for GIS purposes.

RGNC91-93 (lon-lat)

Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGNC91_93_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10300')
Geographic::fromSRID(Geographic3D::EPSG_RGNC91_93_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10300')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGNC91_93_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10300')
```

See CRS code 4907 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes. Replaced by RGNC15 (lon-lat) (CRS code 10311).

RGPF

Extent: French Polynesia - onshore and offshore. Includes Society archipelago, Tuamotu archipelago, Marquesas Islands, Gambier Islands and Austral Islands

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGPF)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4999')
Geographic::fromSRID(Geographic3D::EPSG_RGPF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4999')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGPF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4999')
```

RGR92

Extent: Reunion - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGR92)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4971')
Geographic::fromSRID(Geographic3D::EPSG_RGR92)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4971')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGR92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4971')
```

See CRS code 7036 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGR92 (lon-lat)

Extent: Reunion - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGR92_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7036')
Geographic::fromSRID(Geographic3D::EPSG_RGR92_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7036')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGR92_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7036')
```

See CRS code 4971 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGRDC 2005

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGRDC_2005)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4040')
Geographic::fromSRID(Geographic3D::EPSG_RGRDC_2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4040')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGRDC_2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4040')
```

RGSH2020

Extent: Algeria - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGSH2020)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10298')
Geographic::fromSRID(Geographic3D::EPSG_RGSH2020)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10298')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGSH2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10298')
```

RGSPM06

Extent: St Pierre and Miquelon - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4466')
Geographic::fromSRID(Geographic3D::EPSG_RGSPM06)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4466')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGSPM06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4466')
```

See CRS code 7034 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGSPM06 (lon-lat)

Extent: St Pierre and Miquelon - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7034')
Geographic::fromSRID(Geographic3D::EPSG_RGSPM06_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7034')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGSPM06_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7034')
```

See CRS code 4466 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RGTAAF07

Extent: French Southern Territories - onshore and offshore: Amsterdam and St Paul, Crozet, Europa and Kerguelen. Antarctica - Adelie Land coastal area

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7072')
Geographic::fromSRID(Geographic3D::EPSG_RGTAAF07)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7072')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGTAAF07)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7072')
```

See CRS code 7087 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGTAAF07 (lon-lat)

Extent: French Southern Territories - onshore and offshore: Amsterdam and St Paul, Crozet, Europa and Kerguelen. Antarctica - Adelie Land coastal area

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7087')
Geographic::fromSRID(Geographic3D::EPSG_RGTAAF07_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7087')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGTAAF07_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7087')
```

See CRS code 7072 for alternate system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation purposes.

RGWF96

Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8899')
Geographic::fromSRID(Geographic3D::EPSG_RGWF96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8899')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGWF96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8899')
```

See CRS code 8901 for alternate system with horizontal axes reversed used by IGN for GIS purposes.

RGWF96 (lon-lat)

Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96_LON_LAT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8901')
Geographic::fromSRID(Geographic3D::EPSG_RGWF96_LON_LAT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8901')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RGWF96_LON_LAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8901')
```

See CRS code 8899 for system with horizontal axes in sequence lat-lon to be used for air, land and sea navigation and safety of life purposes.

RRAF 1991

Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Geographic3D::fromSRID(Geographic3D::EPSG_RRAF_1991)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4557')
Geographic::fromSRID(Geographic3D::EPSG_RRAF_1991)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4557')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RRAF_1991)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4557')
```

Replaces older local 2D systems Fort Marigot and Sainte Anne CRS (codes 4621-22) in Guadeloupe and Fort Desaix (CRS code 4625) in Martinique. Replaced by RGAF09 (CRS code 5488).

RSAO13

Extent: Angola - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_RSAO13)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8698')
Geographic::fromSRID(Geographic3D::EPSG_RSAO13)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8698')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RSAO13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8698')
```

RSRGD2000

Extent: Antarctica - Ross Sea Region - nominally between 160°E and 150°W but includes buffer on eastern hemisphere margin to include Transantarctic Mountains

```
Geographic3D::fromSRID(Geographic3D::EPSG_RSRGD2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4885')
Geographic::fromSRID(Geographic3D::EPSG_RSRGD2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4885')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_RSRGD2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4885')
```

SHGD2015

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SHGD2015)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7885')
Geographic::fromSRID(Geographic3D::EPSG_SHGD2015)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7885')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SHGD2015)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7885')
```

Closely aligned to SHGD2015 (CRS code xxxx) with difference attributable to different reference epoch and 10 cm difference in ellipsoid height.

SIRGAS 1995

Extent: South America - onshore and offshore. Ecuador (mainland and Galapagos) - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_1995)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4975')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_1995)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4975')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_1995)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4975')
```

Replaced by SIRGAS 2000 (CRS code 4989).

SIRGAS 2000

Extent: Latin America - Central America and South America - onshore and offshore. Brazil - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4989')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4989')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4989')
```

Replaces SIRGAS 1995 system (CRS code 4975) for South America; expands SIRGAS to Central America.

SIRGAS-CON DGF00P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF00P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8916')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF00P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8916')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF00P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8916')
```

Replaced by SIRGAS-CON DGF01P01 (CRS code 8918).

SIRGAS-CON DGF01P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8918')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8918')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8918')
```

Replaces SIRGAS-CON DGF00P01 (CRS code 8916). Replaced by SIRGAS-CON DGF01P02 (CRS code 8920).

SIRGAS-CON DGF01P02

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P02)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8920')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P02)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8920')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8920')
```

Replaces SIRGAS-CON DGF01P01 (CRS code 8918). Replaced by SIRGAS-CON DGF02P01 (CRS code 8922).

SIRGAS-CON DGF02P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF02P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8922')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF02P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8922')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF02P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8922')
```

Replaces SIRGAS-CON DGF01P02 (CRS code 8920). Replaced by SIRGAS-CON DGF04P01 (CRS code 8924).

SIRGAS-CON DGF04P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF04P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8924')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF04P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8924')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF04P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8924')
```

Replaces SIRGAS-CON DGF02P01 (CRS code 8922). Replaced by SIRGAS-CON DGF05P01 (CRS code 8926).

SIRGAS-CON DGF05P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF05P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8926')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF05P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8926')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF05P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8926')
```

Replaces SIRGAS-CON DGF04P01 (CRS code 8924). Replaced by SIRGAS-CON DGF06P01 (CRS code 8928).

SIRGAS-CON DGF06P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF06P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8928')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF06P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8928')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF06P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8928')
```

Replaces SIRGAS-CON DGF05P01 (CRS code 8926). Replaced by SIRGAS-CON DGF07P01 (CRS code 8930).

SIRGAS-CON DGF07P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF07P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8930')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF07P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8930')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF07P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8930')
```

Replaces SIRGAS-CON DGF06P01 (CRS code 8928). Replaced by SIRGAS-CON DGF08P01 (CRS code 8932).

SIRGAS-CON DGF08P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF08P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8932')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF08P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8932')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF08P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8932')
```

Replaces SIRGAS-CON DGF07P01 (CRS code 8930). Replaced by SIRGAS-CON SIR09P01 (CRS code 8934).

SIRGAS-CON SIR09P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR09P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8934')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR09P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8934')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR09P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8934')
```

Replaces SIRGAS-CON DGF08P01 (CRS code 8932). Replaced by SIRGAS-CON SIR10P01 (CRS code 8936).

SIRGAS-CON SIR10P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR10P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8936')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR10P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8936')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR10P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8936')
```

Replaces SIRGAS-CON SIR09P01 (CRS code 8934). Replaced by SIRGAS-CON SIR11P01 (CRS code 8938).

SIRGAS-CON SIR11P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR11P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8938')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR11P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8938')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR11P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8938')
```

Replaces SIRGAS-CON SIR10P01 (CRS code 8936). Replaced by SIRGAS-CON SIR13P01 (CRS code 8940).

SIRGAS-CON SIR13P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR13P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8940')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR13P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8940')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR13P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8940')
```

Replaces SIRGAS-CON SIR11P01 (CRS code 8938). Replaced by SIRGAS-CON SIR14P01 (CRS code 8942).

SIRGAS-CON SIR14P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR14P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8942')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR14P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8942')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR14P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8942')
```

Replaces SIRGAS-CON SIR13P01 (CRS code 8940). Replaced by SIRGAS-CON SIR15P01 (CRS code 8944).

SIRGAS-CON SIR15P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR15P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8944')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR15P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8944')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR15P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8944')
```

Replaces SIRGAS-CON SIR14P01 (CRS code 8942). Replaced by SIRGAS-CON SIR17P01 (CRS code 8946).

SIRGAS-CON SIR17P01

Extent: Latin America - Central America and South America, onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR17P01)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8946')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR17P01)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8946')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR17P01)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8946')
```

Replaces SIRGAS-CON SIR15P01 (CRS code 8944).

SIRGAS-Chile 2002

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2002)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5359')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2002)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5359')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2002)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5359')
```

Densification of SIRGAS 2000 within Chile. Replaced by SIRGAS-Chile 2010 (CRS code 8948).

SIRGAS-Chile 2010

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2010)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8948')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2010)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8948')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8948')
```

Densification of SIRGAS-CON within Chile at epoch 2010.00. Replaces SIRGAS-Chile 2002 (CRS code 5359), replaced by SIRGAS-Chile 2013 (CRS code 9147) due to significant tectonic deformation.

SIRGAS-Chile 2013

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2013)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9147')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2013)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9147')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2013)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9147')
```

Densification of SIRGAS-CON within Chile at epoch 2013.00. Replaces SIRGAS-Chile 2010 (CRS code 8948), replaced by SIRGAS-Chile 2016 (CRS code 9152) due to significant tectonic deformation.

SIRGAS-Chile 2016

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2016)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9152')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2016)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9152')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9152')
```

Densification of SIRGAS-CON within Chile at epoch 2016.00. Replaces SIRGAS-Chile 2013 (CRS code 9147), replaced by SIRGAS-Chile 2021 (CRS code 20040) due to significant tectonic deformation.

SIRGAS-Chile 2021

Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2021)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::20040')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2021)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::20040')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2021)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20040')
```

Densification of SIRGAS-CON within Chile at epoch 2021.00. Replaces SIRGAS-Chile 2016 (CRS code 9152) due to significant tectonic deformation.

SIRGAS-ROU98

Extent: Uruguay - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_ROU98)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5380')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_ROU98)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5380')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_ROU98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5380')
```

Densification of SIRGAS 1995 in Uruguay.

SIRGAS_ES2007.8

Extent: El Salvador - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_ES2007_8)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5392')
Geographic::fromSRID(Geographic3D::EPSG_SIRGAS_ES2007_8)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5392')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SIRGAS_ES2007_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5392')
```

Densification of SIRGAS 2000 within El Salvador.

SRB_ETRS89

Extent: Serbia including Vojvodina

```
Geographic3D::fromSRID(Geographic3D::EPSG_SRB_ETRS89)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::8684')
Geographic::fromSRID(Geographic3D::EPSG_SRB_ETRS89)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::8684')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SRB_ETRS89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8684')
```

Replaces SREF98 (CRS code 4074).

SREF98

Extent: Serbia including Vojvodina

```
Geographic3D::fromSRID(Geographic3D::EPSG_SREF98)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4074')
Geographic::fromSRID(Geographic3D::EPSG_SREF98)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4074')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SREF98)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4074')
```

Replaced by SRB_ETRS89 (STRS00) (CRS code 8684).

SRGI2013

Extent: Indonesia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SRGI2013)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9469')
Geographic::fromSRID(Geographic3D::EPSG_SRGI2013)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9469')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SRGI2013)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9469')
```

Supports horizontal component of national horizontal control network (JKHN). Adopted 2013-10-11. Replaces DGN95 and all older systems.

SWEREF99

Extent: Sweden - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SWEREF99)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4977')
Geographic::fromSRID(Geographic3D::EPSG_SWEREF99)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4977')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SWEREF99)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4977')
```

Slovenia 1996

Extent: Slovenia - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_SLOVENIA_1996)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4883')
Geographic::fromSRID(Geographic3D::EPSG_SLOVENIA_1996)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4883')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_SLOVENIA_1996)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4883')
```

St. Helena Tritan

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_ST_HELENA_TRITAN)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7880')
Geographic::fromSRID(Geographic3D::EPSG_ST_HELENA_TRITAN)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7880')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_ST_HELENA_TRITAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7880')
```

Closely aligned to SHGD2015 (CRS code 7885) with difference attributable to different reference epoch and 10 cm difference in ellipsoid height. Replaced by SHGD2015 from 2015.

TGD2005

Extent: Tonga - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_TGD2005)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5885')
Geographic::fromSRID(Geographic3D::EPSG_TGD2005)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5885')
```

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```
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_TGD2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5885')
```

TUREF

Extent: Türkiye (Turkey) - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_TUREF)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5251')
Geographic::fromSRID(Geographic3D::EPSG_TUREF)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5251')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_TUREF)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5251')
```

TWD97

Extent: Taiwan, Republic of China - onshore and offshore - Taiwan Island, Penghu (Pescadores) Islands

```
Geographic3D::fromSRID(Geographic3D::EPSG_TWD97)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::3823')
Geographic::fromSRID(Geographic3D::EPSG_TWD97)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::3823')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_TWD97)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3823')
```

UCS-2000

Extent: Ukraine - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_UCS_2000)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::5560')
Geographic::fromSRID(Geographic3D::EPSG_UCS_2000)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::5560')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_UCS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5560')
```

Adopted 1st January 2007.

WGS 66

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_66)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4891')
Geographic::fromSRID(Geographic3D::EPSG_WGS_66)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4891')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_66)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4891')
```

Replaced by WGS 72.

WGS 72

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_72)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4985')
Geographic::fromSRID(Geographic3D::EPSG_WGS_72)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4985')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4985')
```

Replaced by WGS 84.

WGS 72BE

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_72BE)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4987')
Geographic::fromSRID(Geographic3D::EPSG_WGS_72BE)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4987')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_72BE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4987')
```

Broadcast ephemeris. Replaced by WGS 84.

WGS 84

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4979')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4979')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4979')
```

WGS 84 (G1150)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1150)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7661')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G1150)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7661')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G1150)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7661')
```

Replaces WGS 84 (G873) (CRS code 7659) from 2002-01-20. Replaced by WGS 84 (G1674) (CRS code 7663) from 2012-02-08.

WGS 84 (G1674)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1674)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7663')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G1674)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7663')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G1674)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7663')
```

Replaces WGS 84 (G1150) (CRS code 7661) from 2012-02-08. Replaced by WGS 84 (G1762) (CRS code 7665) from 2013-10-16.

WGS 84 (G1762)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1762)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7665')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G1762)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7665')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G1762)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7665')
```

Replaces WGS 84 (G1674) (CRS code 7663) from 2013-10-16. Redesignated WGS 84 (G1762') in 2015 after changes to 7 NGA tracking station locations and antennas. Replaced by WGS 84 (G2139) (CRS code 9754) from 2021-01-03.

WGS 84 (G2139)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G2139)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::9754')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G2139)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::9754')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G2139)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9754')
```

Replaces WGS 84 (G1762) (CRS code 7665) from 2021-01-03. Replaced by WGS 84 (G2296) (CRS code 10605) from 2024-01-07.

WGS 84 (G2296)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G2296)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::10605')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G2296)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::10605')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G2296)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10605')
```

Replaces WGS 84 (G2139) (CRS code 9754) from 2024-01-07.

WGS 84 (G730)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G730)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7657')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G730)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7657')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G730)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7657')
```

Replaces WGS 84 (Transit) (CRS code 7816) from 1994-06-29. Replaced by WGS84 (G873) (CRS code 7659) from 1997-01-29.

WGS 84 (G873)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G873)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7659')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_G873)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7659')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_G873)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7659')
```

Replaces WGS 84 (G730) (CRS code 7657) from 1997-01-29. Replaced by WGS 84 (G1150) (CRS code 7661) from 2002-01-20.

WGS 84 (Transit)

Extent: World

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_TRANSIT)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::7816')
Geographic::fromSRID(Geographic3D::EPSG_WGS_84_TRANSIT)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::7816')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_WGS_84_TRANSIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7816')
```

Replaced by WGS84 (G730) (CRS code 7657) from 1994-06-29.

Yemen NGN96

Extent: Yemen - onshore and offshore

```
Geographic3D::fromSRID(Geographic3D::EPSG_YEMEN_NGN96)
Geographic3D::fromSRID('urn:ogc:def:crs:EPSG::4981')
Geographic::fromSRID(Geographic3D::EPSG_YEMEN_NGN96)
Geographic::fromSRID('urn:ogc:def:crs:EPSG::4981')
CoordinateReferenceSystem::fromSRID(Geographic3D::EPSG_YEMEN_NGN96)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4981')
```

1.6.4 Projected

Tip: You can access the list of supported projected CRSs at runtime using `Projected::getSupportedSRIDs()` or `Projected::getSupportedSRIDsWithHelp()`

AGD66 / ACT Standard Grid

Extent: Australia - Australian Capital Territory

```
Projected::fromSRID(Projected::EPSG_AGD66_ACT_STANDARD_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5825')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_ACT_STANDARD_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5825')
```

AGD66 / AMG zone 49

Extent: Australia - onshore and offshore to 200 nautical mile EEZ boundary between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20249')
```

AGD66 / AMG zone 50

Extent: Australia - onshore and offshore to 200 nautical mile EEZ boundary between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20250')
```

AGD66 / AMG zone 51

Extent: Australia - onshore and offshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20251')
```

AGD66 / AMG zone 52

Extent: Australia - onshore and offshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20252')
```

AGD66 / AMG zone 53

Extent: Australia - onshore and offshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20253')
```

AGD66 / AMG zone 54

Extent: Australia - onshore and offshore between 138°E and 144°E. Papua New Guinea - onshore west of 144°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20254')
```

AGD66 / AMG zone 55

Extent: Australia - onshore and offshore between 144°E and 150°E. Papua New Guinea (PNG) - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20255')
```

AGD66 / AMG zone 56

Extent: Australia - onshore and offshore between 150°E and 156°E. Papua New Guinea onshore east of 150°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20256')
```

AGD66 / AMG zone 57

Extent: Australia including Lord Howe Island - onshore and offshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20257')
```

AGD66 / AMG zone 58

Extent: Australia - offshore east of 162°E to 200 nautical mile EEZ boundary

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20258')
```

AGD66 / Vicgrid66

Extent: Australia - Victoria

```
Projected::fromSRID(Projected::EPSG_AGD66_VICGRID66)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD66_VICGRID66)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3110')
```

May also be used to display Victoria, New South Wales, Tasmania and South Australia as a single entity. Replaced by Vicgrid94 (CRS code 3111) with effect from 2nd February 2000. Prior to 2000 this CRS was known as VICGRID.

AGD84 / AMG zone 49

Extent: Australia - onshore and offshore to 200 nautical mile EEZ boundary between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20349')
```

AGD84 / AMG zone 50

Extent: Australia - onshore and offshore to 200 nautical mile EEZ boundary between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20350')
```

AGD84 / AMG zone 51

Extent: Australia - onshore and offshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20351')
```

AGD84 / AMG zone 52

Extent: Australia - South Australia west of 132°E, Western Australia east of 126°E, offshore federal waters between 126°E and 129°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20352')
```

AGD84 / AMG zone 53

Extent: Australia - South Australia between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20353')
```

AGD84 / AMG zone 54

Extent: Australia - South Australia east of 138°E, Queensland west of 144°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20354')
```

AGD84 / AMG zone 55

Extent: Australia - Queensland between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20355')
```

AGD84 / AMG zone 56

Extent: Australia - Queensland east of 150°E

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20356')
```

ATF (Paris) / Nord de Guerre

Extent: France - Alsace

```
Projected::fromSRID(Projected::EPSG_ATF_PARIS_NORD_DE_GUERRE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATF_PARIS_NORD_DE_GUERRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27500')
```

ATS77 / MTM Nova Scotia zone 4

Extent: Canada - Nova Scotia - east of 63°W

```
Projected::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2294')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2294')
```

In use from 1979. To be phased out in late 1990's.

ATS77 / MTM Nova Scotia zone 5

Extent: Canada - Nova Scotia - west of 63°W

```
Projected::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2295')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2295')
```

In use from 1979. To be phased out in late 1990's.

ATS77 / New Brunswick Stereographic (ATS77)

Extent: Canada - New Brunswick

```
Projected::fromSRID(Projected::EPSG_ATS77_NEW_BRUNSWICK_STEREOGRAPHIC_ATS77)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2200')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATS77_NEW_BRUNSWICK_STEREOGRAPHIC_
↪ATS77)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2200')
```

In use from 1979. Replaces NAD27 / NB Stereographic (CRS code 5588). Replaced by NAD83(CSRS) / NB Stereographic (CRS code 2953).

ATS77 / Prince Edward Isl. Stereographic (ATS77)

Extent: Canada - Prince Edward Island

```
Projected::fromSRID(Projected::EPSG_ATS77_PRINCE_EDWARD_ISL_STEREOGRAPHIC_ATS77)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2290')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATS77_PRINCE_EDWARD_ISL_
↪STEREOGRAPHIC_ATS77)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2290')
```

In use from 1979. To be phased out in late 1990's.

ATS77 / UTM zone 19N

Extent: Canada - New Brunswick and Nova Scotia - west of 66°W

```
Projected::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2219')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2219')
```

In use from 1979. To be phased out in late 1990's.

ATS77 / UTM zone 20N

Extent: Canada - New Brunswick and Nova Scotia east of 66°W; Prince Edward Island

```
Projected::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2220')
```

In use from 1979. To be phased out in late 1990's.

AbInvA96_2020 Grid

Extent: United Kingdom (UK) - on or related to the A96 highway from Aberdeen to Inverness

```
Projected::fromSRID(Projected::EPSG_ABINVA96_2020_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9387')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ABINVA96_2020_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9387')
```

The CRS's definition through transformation ETRS89 to AbInvA96_2020-IRF (1) (code 9386) and map projection AbInvA96_2020-TM (code 9385) emulates the AbInvA96_2020 Snake projection applied to ETRS89 as realized through OSNet 2009 CORS.

Abidjan 1987 / TM 5 NW

Extent: Côte d'Ivoire (Ivory Coast) - offshore

```
Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_TM_5_NW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2165')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ABIDJAN_1987_TM_5_NW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2165')
```

Abidjan 1987 / UTM zone 29N

Extent: Côte d'Ivoire (Ivory Coast) west of 6°W

```
Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2043')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2043')
```

Replaces Locodjo 65 / UTM 29N (EPSG code 2042).

Abidjan 1987 / UTM zone 30N

Extent: Côte d'Ivoire (Ivory Coast) east of 6°W

```
Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2041')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2041')
```

Replaces Locodjo 65 / UTM 30N (EPSG code 2040).

Accra / Ghana National Grid

Extent: Ghana - onshore

```
Projected::fromSRID(Projected::EPSG_ACCRA_GHANA_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2136')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ACCRA_GHANA_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2136')
```

Ellipsoid semi-major axis (a)=20926201 Gold Coast feet. ProjCRS sometimes found in metric form: 1 Gold Coast foot = 0.3047997101815 m. Replaced by Leigon / Ghana Metric Grid from 1978.

Accra / TM 1 NW

Extent: Ghana - offshore

```
Projected::fromSRID(Projected::EPSG_ACCRA_TM_1_NW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2137')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ACCRA_TM_1_NW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2137')
```

Adindan / UTM zone 35N

Extent: South Sudan and Sudan - between 24°E and 30°E

```
Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20135')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20135')
```

Adindan / UTM zone 36N

Extent: Ethiopia - west of 36°E. South Sudan - east of 30°E. Sudan - between 30°E and 36°E

```
Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20136')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20136')
```

Adindan / UTM zone 37N

Extent: Eritrea. Ethiopia - between 36°E and 42°E. Sudan - east of 36°E

```
Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20137')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20137')
```

Adindan / UTM zone 38N

Extent: Ethiopia - east of 42°E

```
Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20138')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20138')
```

Afgooye / UTM zone 38N

Extent: Somalia - onshore north of equator and between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_AFGOOYE_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AFGOOYE_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20538')
```

Afgooye / UTM zone 39N

Extent: Somalia - onshore east of 48°E

```
Projected::fromSRID(Projected::EPSG_AFGOOYE_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AFGOOYE_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20539')
```

Ain el Abd / Aramco Lambert

Extent: Saudi Arabia - onshore

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_ARAMCO_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_ARAMCO_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2318')
```

Used by Saudi Aramco when area of interest crosses UTM zone boundary. Adopted by partners for Core Venture 1 (South Ghawar) area.

Ain el Abd / Bahrain Grid

Extent: Bahrain - onshore

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_BAHRAIN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20499')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_BAHRAIN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20499')
```

Ain el Abd / UTM zone 36N

Extent: Saudi Arabia - onshore west of 36°E

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20436')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20436')
```

Replaced by MTRF-2000 / UTM zone 36N (CRS code 8836).

Ain el Abd / UTM zone 37N

Extent: Saudi Arabia - onshore between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20437')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20437')
```

Replaced by MTRF-2000 / UTM zone 37N (CRS code 8837).

Ain el Abd / UTM zone 38N

Extent: Kuwait - west of 48°E. Saudi Arabia - between of 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20438')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20438')
```

Known in Kuwait as "KOC UTM". Used by KOC for engineering but not explorartion (see KOC Lambert, CRS code 24600). In Saudi Arabia, replaced by MTRF-2000 / UTM zone 38N (CRS code 8838).

Ain el Abd / UTM zone 39N

Extent: Kuwait - onshore east of 48°E. Saudi Arabia - onshore between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20439')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20439')
```

Known in Kuwait as "KOC UTM". Used by KOC for engineering but not explorartion (see KOC Lambert, CRS code 24600). In Saudi Arabia, replaced by MTRF-2000 / UTM zone 39N (CRS code 8839).

Ain el Abd / UTM zone 40N

Extent: Saudi Arabia - east of 54°E

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20440')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20440')
```

Replaced by MTRF-2000 / UTM zone 40N (CRS code 8840).

Albanian 1987 / Gauss-Kruger zone 4

Extent: Albania - onshore

```
Projected::fromSRID(Projected::EPSG_ALBANIAN_1987_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ALBANIAN_1987_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2462')
```

American Samoa 1962 / American Samoa Lambert

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega and Ta'u islands

```
Projected::fromSRID(Projected::EPSG_AMERICAN_SAMOA_1962_AMERICAN_SAMOA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3102')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AMERICAN_SAMOA_1962_AMERICAN_SAMOA_
↪LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3102')
```

Replaced by NAD83(HARN) / UTM zone 2S (projCRS 2195) as of mid-2000.

Amersfoort / RD New

Extent: Netherlands - onshore, including Waddenzee, Dutch Wadden Islands and 12-mile offshore coastal zone

```
Projected::fromSRID(Projected::EPSG_AMERSFOORT_RD_NEW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AMERSFOORT_RD_NEW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28992')
```

Replaces 28991 (Amersfoort / RD Old).

Amersfoort / RD Old

Extent: Netherlands - onshore, including Waddenzee, Dutch Wadden Islands and 12-mile offshore coastal zone

```
Projected::fromSRID(Projected::EPSG_AMERSFOORT_RD_OLD)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AMERSFOORT_RD_OLD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28991')
```

Replaced by 28992 (Amersfoort / RD New).

Ammassalik 1958 / Greenland zone 7 east

Extent: Greenland - Ammassalik area onshore

```
Projected::fromSRID(Projected::EPSG_AMMASSALIK_1958_GREENLAND_ZONE_7_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2296')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AMMASSALIK_1958_GREENLAND_ZONE_7_
↪EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2296')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Anguilla 1957 / British West Indies Grid

Extent: Anguilla - onshore

```
Projected::fromSRID(Projected::EPSG_ANGUILLA_1957_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2000')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ANGUILLA_1957_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2000')
```

Antigua 1943 / British West Indies Grid

Extent: Antigua island - onshore

```
Projected::fromSRID(Projected::EPSG_ANTIGUA_1943_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2001')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ANTIGUA_1943_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2001')
```

Aratu / UTM zone 22S

Extent: Brazil - offshore between 54°W and 48°W, including Pelotas basin

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20822')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20822')
```

Aratu / UTM zone 23S

Extent: Brazil - offshore areas south of intersection of parallel of 2°55'S with coast and between 48°W and 42°W including Santos basin

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20823')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20823')
```

Aratu / UTM zone 24S

Extent: Brazil - between 42°W and 36°W, southern hemisphere offshore including Campos and Espirito Santo basins; onshore Tucano basin area

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20824')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20824')
```

Aratu / UTM zone 25S

Extent: Brazil - offshore between 36°W and 30°W, southern hemisphere

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5337')
```

Arc 1950 / UTM zone 34S

Extent: Botswana and Zambia - west of 24°E

```
Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20934')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20934')
```

Arc 1950 / UTM zone 35S

Extent: Botswana - east of 24°E; Zambia - between 24°E and 30°E; Zimbabwe - west of 30°E

```
Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20935')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20935')
```

Arc 1950 / UTM zone 36S

Extent: Malawi. Zambia and Zimbabwe - east of 30°E

```
Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20936')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20936')
```

Arc 1960 / UTM zone 35N

Extent: Uganda - north of equator and west of 30°E

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21095')
```

Arc 1960 / UTM zone 35S

Extent: Tanzania - west of 30°E; Uganda - south of equator and west of 30°E

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21035')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21035')
```

Arc 1960 / UTM zone 36N

Extent: Kenya - north of equator and west of 36°E; Uganda - north of equator and east of 30°E

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21096')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21096')
```

Arc 1960 / UTM zone 36S

Extent: Kenya - south of equator and west of 36°E; Tanzania - 30°E to 36°E; Uganda - south of equator and east of 30°E

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21036')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21036')
```

Arc 1960 / UTM zone 37N

Extent: Kenya - north of equator and east of 36°E

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21097')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21097')
```

Arc 1960 / UTM zone 37S

Extent: Kenya - south of equator and east of 36°E; Tanzania - east of 36°E

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21037')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21037')
```

Astro DOS 71 / SHLG71

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Projected::fromSRID(Projected::EPSG_ASTRO_DOS_71_SHLG71)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7877')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ASTRO_DOS_71_SHLG71)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7877')
```

Replaced by SHMG2015 (CRS code 7887) from 2015.

Astro DOS 71 / UTM zone 30S

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Projected::fromSRID(Projected::EPSG_ASTRO_DOS_71_UTM_ZONE_30S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7878')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ASTRO_DOS_71_UTM_ZONE_30S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7878')
```

Replaced by SHMG2015 (CRS code 7887) from 2015.

Azores Central 1948 / UTM zone 26N

Extent: Portugal - central Azores onshore - Faial, Graciosa, Pico, Sao Jorge, Terceira

```
Projected::fromSRID(Projected::EPSG_AZORES_CENTRAL_1948_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2189')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AZORES_CENTRAL_1948_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2189')
```

Azores Central 1995 / UTM zone 26N

Extent: Portugal - central Azores onshore - Faial, Graciosa, Pico, Sao Jorge, Terceira

```
Projected::fromSRID(Projected::EPSG_AZORES_CENTRAL_1995_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3063')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AZORES_CENTRAL_1995_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3063')
```

Replaced by PTRA08 / UTM zone 26N (CRS code 5015).

Azores Occidental 1939 / UTM zone 25N

Extent: Portugal - western Azores onshore - Flores, Corvo

```
Projected::fromSRID(Projected::EPSG_AZORES_OCCIDENTAL_1939_UTM_ZONE_25N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2188')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AZORES_OCCIDENTAL_1939_UTM_ZONE_25N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2188')
```

Replaced by PTRA08 / UTM zone 25N (CRS code 5014).

Azores Oriental 1940 / UTM zone 26N

Extent: Portugal - eastern Azores onshore - Sao Miguel, Santa Maria, Formigas

```
Projected::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1940_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2190')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1940_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2190')
```

Azores Oriental 1995 / UTM zone 26N

Extent: Portugal - eastern Azores onshore - Sao Miguel, Santa Maria, Formigas

```
Projected::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1995_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3062')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1995_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3062')
```

Replaced by PTRA08 / UTM zone 26N (CRS code 5015).

BBT2000 / BBT-TM

Extent: Austria and Italy - on or related to the Brenner Base Tunnel rail route from Innsbruck to Fortezza (Franzensfeste)

```
Projected::fromSRID(Projected::EPSG_BBT2000_BBT_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10477')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BBT2000_BBT_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10477')
```

BD50 (Brussels) / Belge Lambert 50

Extent: Belgium - onshore

```
Projected::fromSRID(Projected::EPSG_BD50_BRUSSELS_BELGE_LAMBERT_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BD50_BRUSSELS_BELGE_LAMBERT_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21500')
```

Replaced by BD72 / Belge Lambert 72 (code 31300) and BD72 / Belgian Lambert 72 (code 31370).

BD72 / Belge Lambert 72

Extent: Belgium - onshore

```
Projected::fromSRID(Projected::EPSG_BD72_BELGE_LAMBERT_72)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31300')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BD72_BELGE_LAMBERT_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31300')
```

Replaces 21500 (BD50 / Belge Lambert 50). An alternative - BD72 / Belgian Lambert 72 (code 31370) - was introduced in 2000 to use the standard Lambert Conic Conformal (2SP) projection method (code 9802). EPSG recommends this alternative.

BD72 / Belgian Lambert 72

Extent: Belgium - onshore

```
Projected::fromSRID(Projected::EPSG_BD72_BELGIAN_LAMBERT_72)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31370')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BD72_BELGIAN_LAMBERT_72)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31370')
```

Introduced in 2000 as an alternative to CRS code 31300 to avoid the special projection method LCC (2SP Belgium) (code 9803). If software cannot handle latitude of origin 90°N, use latitude of origin = 50°47'57.704"N with Nf = 165372.956 m.

BDA2000 / Bermuda 2000 National Grid

Extent: Bermuda - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_BDA2000_BERMUDA_2000_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3770')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BDA2000_BERMUDA_2000_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3770')
```

Replaces Bermuda 1957 / UTM zone 20N (alias Bermuda National Grid) CRS code 3769).

BGS2005 / CCS2005

Extent: Bulgaria - onshore

```
Projected::fromSRID(Projected::EPSG_BGS2005_CCS2005)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7801')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BGS2005_CCS2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7801')
```

Adopted 2010-07-29, See BGS2005 / CS2005 zones 34 and 35 (CRS codes 7799 and 7800) for smaller scale mapping purposes.

BGS2005 / UTM zone 34N

Extent: Bulgaria - west of 24°E

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7803')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7803')
```

See BGS2005 / UTM zone 34N (N-E) (CRS code 7799) for similar CRS with north-east axis order defined as the official system in Bulgaria.

BGS2005 / UTM zone 34N (N-E)

Extent: Bulgaria - west of 24°E

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7799')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7799')
```

Adopted 2010-07-29, replacing earlier systems. See BGS2005 / CCS2005 (CRS code 7801) for cadastral and other large scale mapping purposes. See BGS2005 / UTM zone 34N (CRS code 7803) for similar CRS with east-north axis order used for GIS purposes.

BGS2005 / UTM zone 35N

Extent: Bulgaria - onshore east of 24°E, offshore west of 30°E

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9391')
```

See BGS2005 / UTM zone 35N (N-E) (CRS code 7800) for similar CRS with north-east axis order defined as the official system in Bulgaria.

BGS2005 / UTM zone 35N (N-E)

Extent: Bulgaria - onshore east of 24°E, offshore west of 30°E

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7800')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7800')
```

Adopted 2010-07-29, replacing earlier systems. See BGS2005 / CCS2005 (CRS code 7801) for cadastral and other large scale mapping purposes. See BGS2005 / UTM zone 35N (CRS code 9391) for similar CRS with east-north axis order used for GIS purposes.

BGS2005 / UTM zone 36N

Extent: Bulgaria - offshore east of 30°E

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7805')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7805')
```

BH_ETRS89 / TM

Extent: Bosnia and Herzegovina

```
Projected::fromSRID(Projected::EPSG_BH_ETRS89_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BH_ETRS89_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10329')
```

Replaces MGI / Balkans zones 5-7 (CRS codes 8677, 8678 and 6316) in Bosnia and Herzegovina.

Barbados 1938 / Barbados National Grid

Extent: Barbados - onshore

```
Projected::fromSRID(Projected::EPSG_BARBADOS_1938_BARBADOS_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21292')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BARBADOS_1938_BARBADOS_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21292')
```

Replaces Barbados 1938 / BWI Grid (code 21291) from 1983.

Barbados 1938 / British West Indies Grid

Extent: Barbados - onshore

```
Projected::fromSRID(Projected::EPSG_BARBADOS_1938_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21291')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BARBADOS_1938_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21291')
```

Replaced by Barbados National Grid (code 21292) from 1983.

Batavia (Jakarta) / NEIEZ

Extent: Indonesia - onshore - Bali, Java and western Sumatra

```
Projected::fromSRID(Projected::EPSG_BATAVIA_JAKARTA_NEIEZ)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BATAVIA_JAKARTA_NEIEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5330')
```

Replaced by Greenwich-based Batavia / NEIEZ (CRS code 3001).

Batavia / NEIEZ

Extent: Indonesia - onshore - Bali, Java and western Sumatra

```
Projected::fromSRID(Projected::EPSG_BATAVIA_NEIEZ)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3001')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BATAVIA_NEIEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3001')
```

Batavia / TM 109 SE

Extent: Indonesia - southern Java Sea offshore northwest Java

```
Projected::fromSRID(Projected::EPSG_BATAVIA_TM_109_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BATAVIA_TM_109_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2308')
```

Used by Arco and BP for ONWJ.

Batavia / UTM zone 48S

Extent: Indonesia - onshore Java and offshore southern Java Sea west of 108°E

```
Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21148')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21148')
```

Batavia / UTM zone 49S

Extent: Indonesia - onshore Java and Madura and offshore southern Java Sea and Madura Strait - between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21149')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21149')
```

Batavia / UTM zone 50S

Extent: Indonesia - onshore Java and Bali, offshore southern Java Sea, Madura Strait and western Bali Sea - east of 114°E

```
Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21150')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21150')
```

Beduaram / TM 13 NE

Extent: Niger - southeast

```
Projected::fromSRID(Projected::EPSG_BEDUARAM_TM_13_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2931')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEDUARAM_TM_13_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2931')
```

Used by Elf in 1986.

Beijing 1954 / 3-degree Gauss-Kruger CM 102E

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2431')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2431')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 45 (code 2421). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 102E (code 2379).

Beijing 1954 / 3-degree Gauss-Kruger CM 105E

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2432')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2432')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 35 (code 2411). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 105E (code 2380).

Beijing 1954 / 3-degree Gauss-Kruger CM 108E

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2433')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2433')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 36 (code 2412). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 108E (code 2381).

Beijing 1954 / 3-degree Gauss-Kruger CM 111E

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2434')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2434')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 37 (code 2413). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 111E (code 2382).

Beijing 1954 / 3-degree Gauss-Kruger CM 114E

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2435')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2435')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 38 (code 2414). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 114E (code 2383).

Beijing 1954 / 3-degree Gauss-Kruger CM 117E

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2436')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2436')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 39 (code 2415). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 117E (code 2384).

Beijing 1954 / 3-degree Gauss-Kruger CM 120E

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2437')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2437')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 40 (code 2416). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 120E (code 2385).

Beijing 1954 / 3-degree Gauss-Kruger CM 123E

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2438')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2438')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 41 (code 2417). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 123E (code 2386).

Beijing 1954 / 3-degree Gauss-Kruger CM 126E

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2439')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2439')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 42 (code 2418). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 126E (code 2387).

Beijing 1954 / 3-degree Gauss-Kruger CM 129E

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2440')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2440')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 43 (code 2419). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 129E (code 2388).

Beijing 1954 / 3-degree Gauss-Kruger CM 132E

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2441')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2441')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 44 (code 2420). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 132E (code 2389).

Beijing 1954 / 3-degree Gauss-Kruger CM 135E

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2442')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2442')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 45 (code 2421). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 135E (code 2390).

Beijing 1954 / 3-degree Gauss-Kruger CM 75E

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2422')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 25 (code 2401). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 75E (code 2370).

Beijing 1954 / 3-degree Gauss-Kruger CM 78E

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2423')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 26 (code 2402). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 78E (code 2371).

Beijing 1954 / 3-degree Gauss-Kruger CM 81E

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2424')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2424')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 27 (code 2403). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 81E (code 2372).

Beijing 1954 / 3-degree Gauss-Kruger CM 84E

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2425')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2425')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 28 (code 2404). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 84E (code 2373).

Beijing 1954 / 3-degree Gauss-Kruger CM 87E

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2426')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2426')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 29 (code 2405). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 87E (code 2374).

Beijing 1954 / 3-degree Gauss-Kruger CM 90E

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2427')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2427')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 30 (code 2406). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 90E (code 2375).

Beijing 1954 / 3-degree Gauss-Kruger CM 93E

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2428')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2428')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 31 (code 2407). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 93E (code 2376).

Beijing 1954 / 3-degree Gauss-Kruger CM 96E

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2429')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 32 (code 2408). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 96E (code 2377).

Beijing 1954 / 3-degree Gauss-Kruger CM 99E

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2430')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2430')
```

Truncated form of Beijing 1954 / 3-degree Gauss-Kruger zone 33 (code 2409). Replaced by Xian 1980 / 3-degree Gauss-Kruger CM 99E (code 2378).

Beijing 1954 / 3-degree Gauss-Kruger zone 25

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2401')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2401')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 75E (code 2422). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 25 (code 2349).

Beijing 1954 / 3-degree Gauss-Kruger zone 26

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2402')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2402')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 78E (code 2423). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 26 (code 2350).

Beijing 1954 / 3-degree Gauss-Kruger zone 27

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2403')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2403')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 81E (code 2424). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 27 (code 2351).

Beijing 1954 / 3-degree Gauss-Kruger zone 28

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2404')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 84E (code 2425). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 28 (code 2352).

Beijing 1954 / 3-degree Gauss-Kruger zone 29

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2405')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 87E (code 2426). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 29 (code 2353).

Beijing 1954 / 3-degree Gauss-Kruger zone 30

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2406')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 90E (code 2427). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 30 (code 2354).

Beijing 1954 / 3-degree Gauss-Kruger zone 31

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2407')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 93E (code 2428). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 31 (code 2355).

Beijing 1954 / 3-degree Gauss-Kruger zone 32

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2408')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 96E (code 2429). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 32 (code 2356).

Beijing 1954 / 3-degree Gauss-Kruger zone 33

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2409')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 99E (code 2430). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 33 (code 2357).

Beijing 1954 / 3-degree Gauss-Kruger zone 34

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2410')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2410')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 102E (code 2431). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 34 (code 2358).

Beijing 1954 / 3-degree Gauss-Kruger zone 35

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2411')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 105E (code 2432). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 35 (code 2359).

Beijing 1954 / 3-degree Gauss-Kruger zone 36

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2412')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 108E (code 2433). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 36 (code 2360).

Beijing 1954 / 3-degree Gauss-Kruger zone 37

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2413')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 111E (code 2434). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 37 (code 2361).

Beijing 1954 / 3-degree Gauss-Kruger zone 38

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2414')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 114E (code 2435). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 38 (code 2362).

Beijing 1954 / 3-degree Gauss-Kruger zone 39

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2415')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 117E (code 2436). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 39 (code 2363).

Beijing 1954 / 3-degree Gauss-Kruger zone 40

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2416')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 120E (code 2437). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 40 (code 2364).

Beijing 1954 / 3-degree Gauss-Kruger zone 41

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2417')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 123E (code 2438). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 41 (code 2365).

Beijing 1954 / 3-degree Gauss-Kruger zone 42

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2418')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 126E (code 2439). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 42 (code 2366).

Beijing 1954 / 3-degree Gauss-Kruger zone 43

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2419')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 129E (code 2440). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 43 (code 2367).

Beijing 1954 / 3-degree Gauss-Kruger zone 44

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2420')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 132E (code 2441). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 44 (code 2368).

Beijing 1954 / 3-degree Gauss-Kruger zone 45

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_
↪ZONE_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2421')
```

Also found with truncated false easting - see Beijing 1954 / 3-degree Gauss-Kruger CM 135E (code 2442). Replaced by Xian 1980 / 3-degree Gauss-Kruger zone 45 (code 2369).

Beijing 1954 / Gauss-Kruger CM 105E

Extent: China - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21458')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21458')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 18 (code 21418). Replaced by Xian 1980 / Gauss-Kruger CM 105E (code 2343).

Beijing 1954 / Gauss-Kruger CM 111E

Extent: China - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21459')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 19 (code 21419). Replaced by Xian 1980 / Gauss-Kruger CM 111E (code 2344).

Beijing 1954 / Gauss-Kruger CM 117E

Extent: China - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21460')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 20 (code 21420). Replaced by Xian 1980 / Gauss-Kruger CM 117E (code 2345).

Beijing 1954 / Gauss-Kruger CM 123E

Extent: China - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21461')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21461')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 21 (code 21421). Replaced by Xian 1980 / Gauss-Kruger CM 123E (code 2346).

Beijing 1954 / Gauss-Kruger CM 129E

Extent: China - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21462')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 22 (code 21422). Replaced by Xian 1980 / Gauss-Kruger CM 129E (code 2347).

Beijing 1954 / Gauss-Kruger CM 135E

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21463')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 33 (code 21423). Replaced by Xian 1980 / Gauss-Kruger CM 135E (code 2348).

Beijing 1954 / Gauss-Kruger CM 75E

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21453')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21453')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 13 (code 21413). Replaced by Xian 1980 / Gauss-Kruger CM 75E (code 2338).

Beijing 1954 / Gauss-Kruger CM 81E

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21454')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21454')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 14 (code 21414). Replaced by Xian 1980 / Gauss-Kruger CM 81E (code 2339).

Beijing 1954 / Gauss-Kruger CM 87E

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21455')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 15 (code 21415). Replaced by Xian 1980 / Gauss-Kruger CM 87E (code 2340).

Beijing 1954 / Gauss-Kruger CM 93E

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21456')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 16 (code 21416). Replaced by Xian 1980 / Gauss-Kruger CM 93E (code 2341).

Beijing 1954 / Gauss-Kruger CM 99E

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21457')
```

Truncated form of Beijing 1954 / Gauss-Kruger zone 17 (code 21417). Replaced by Xian 1980 / Gauss-Kruger CM 99E (code 2342).

Beijing 1954 / Gauss-Kruger zone 13

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21413')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 75E (code 24153). Replaced by Xian 1980 / Gauss-Kruger zone 13 (code 2327).

Beijing 1954 / Gauss-Kruger zone 14

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21414')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 81E (code 24154). Replaced by Xian 1980 / Gauss-Kruger zone 14 (code 2328).

Beijing 1954 / Gauss-Kruger zone 15

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21415')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 87E (code 24155). Replaced by Xian 1980 / Gauss-Kruger zone 15 (code 2329).

Beijing 1954 / Gauss-Kruger zone 16

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21416')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 93E (code 24156). Replaced by Xian 1980 / Gauss-Kruger zone 16 (code 2330).

Beijing 1954 / Gauss-Kruger zone 17

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21417')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 99E (code 24157). Replaced by Xian 1980 / Gauss-Kruger zone 17 (code 2331).

Beijing 1954 / Gauss-Kruger zone 18

Extent: China - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21418')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 105E (code 24158). Replaced by Xian 1980 / Gauss-Kruger zone 18 (code 2332).

Beijing 1954 / Gauss-Kruger zone 19

Extent: China - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21419')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 111E (code 24159). Replaced by Xian 1980 / Gauss-Kruger zone 19 (code 2333).

Beijing 1954 / Gauss-Kruger zone 20

Extent: China - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21420')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 117E (code 24160). Replaced by Xian 1980 / Gauss-Kruger zone 20 (code 2334).

Beijing 1954 / Gauss-Kruger zone 21

Extent: China - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21421')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 123E (code 24161). Replaced by Xian 1980 / Gauss-Kruger zone 21 (code 2335).

Beijing 1954 / Gauss-Kruger zone 22

Extent: China - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21422')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 129E (code 24162). Replaced by Xian 1980 / Gauss-Kruger zone 22 (code 2336).

Beijing 1954 / Gauss-Kruger zone 23

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21423')
```

Also found with truncated false easting - see Beijing 1954 / Gauss-Kruger CM 135E (code 24163). Replaced by Xian 1980 / Gauss-Kruger zone 23 (code 2337).

Bermuda 1957 / UTM zone 20N

Extent: Bermuda - onshore

```
Projected::fromSRID(Projected::EPSG_BERMUDA_1957_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3769')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BERMUDA_1957_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3769')
```

Replaced by BDA2000 / Bermuda 2000 National Grid (alias BNG2000) (CRS code 3770).

Bern 1898 (Bern) / LV03C

Extent: Liechtenstein; Switzerland

```
Projected::fromSRID(Projected::EPSG_BERN_1898_BERN_LV03C)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BERN_1898_BERN_LV03C)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21780')
```

In Switzerland, replaced by CH1903 / LV03 (CRS code 21781). For use in Liechtenstein may be implemented through Greenwich based equivalent CRS code 21782.

Bissau / UTM zone 28N

Extent: Guinea-Bissau - onshore

```
Projected::fromSRID(Projected::EPSG_BISSAU_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BISSAU_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2095')
```

Bogota 1975 / Colombia Bogota zone

Extent: Colombia - onshore between 1°30'W and 1°30'E of Bogota (approximately 75°35'W and 72°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_BOGOTA_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21897')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_BOGOTA_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21897')
```

Replaced by MAGNA-SIRGAS / Colombia Bogota zone (CRS code 3116).

Bogota 1975 / Colombia East Central zone

Extent: Colombia - onshore between 1°30'E and 4°30'E of Bogota (approximately 72°35'W and 69°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_CENTRAL_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21898')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_CENTRAL_
↪ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21898')
```

Replaced by MAGNA-SIRGAS / Colombia East Central zone (CRS code 3117).

Bogota 1975 / Colombia East zone

Extent: Colombia - east of 4°30'E of Bogota (approximately 69°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21899')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21899')
```

Replaced by MAGNA-SIRGAS / Colombia East zone (CRS code 3118).

Bogota 1975 / Colombia West zone

Extent: Colombia - mainland onshore west of 1°30'W of Bogota (approximately 75°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21896')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21896')
```

Replaced by MAGNA-SIRGAS / Colombia Far West zone and MAGNA-SIRGAS / Colombia West zone (CRS codes 3114 and 3115).

Bogota 1975 / UTM zone 18N

Extent: Colombia - offshore Caribbean west of 72°W of Greenwich

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21818')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_BOGOTA_1975_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21818')
```

CGCS2000 / 3-degree Gauss-Kruger CM 102E

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4543')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4543')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 34 (code 4522).

CGCS2000 / 3-degree Gauss-Kruger CM 105E

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4544')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4544')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 35 (code 4523).

CGCS2000 / 3-degree Gauss-Kruger CM 108E

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4545')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4545')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 36 (code 4524).

CGCS2000 / 3-degree Gauss-Kruger CM 111E

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4546')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4546')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 37 (code 4525).

CGCS2000 / 3-degree Gauss-Kruger CM 114E

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4547')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 38 (code 4526).

CGCS2000 / 3-degree Gauss-Kruger CM 117E

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4548')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 39 (code 4527).

CGCS2000 / 3-degree Gauss-Kruger CM 120E

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4549')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 40 (code 4528).

CGCS2000 / 3-degree Gauss-Kruger CM 123E

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4550')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4550')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 41 (code 4529).

CGCS2000 / 3-degree Gauss-Kruger CM 126E

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4551')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 42 (code 4530).

CGCS2000 / 3-degree Gauss-Kruger CM 129E

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4552')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 43 (code 4531).

CGCS2000 / 3-degree Gauss-Kruger CM 132E

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4553')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4553')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 44 (code 4532).

CGCS2000 / 3-degree Gauss-Kruger CM 135E

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4554')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4554')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 45 (code 4533).

CGCS2000 / 3-degree Gauss-Kruger CM 75E

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4534')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 25 (code 4513).

CGCS2000 / 3-degree Gauss-Kruger CM 78E

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4535')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 26 (code 4514).

CGCS2000 / 3-degree Gauss-Kruger CM 81E

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4536')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 27 (code 4515).

CGCS2000 / 3-degree Gauss-Kruger CM 84E

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4537')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 28 (code 4516).

CGCS2000 / 3-degree Gauss-Kruger CM 87E

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4538')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 29 (code 4517).

CGCS2000 / 3-degree Gauss-Kruger CM 90E

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4539')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 30 (code 4518).

CGCS2000 / 3-degree Gauss-Kruger CM 93E

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4540')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 31 (code 4519).

CGCS2000 / 3-degree Gauss-Kruger CM 96E

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4541')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4541')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 32 (code 4520).

CGCS2000 / 3-degree Gauss-Kruger CM 99E

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4542')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_
↪99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4542')
```

Truncated form of CGCS2000 / 3-degree Gauss-Kruger zone 33 (code 4521).

CGCS2000 / 3-degree Gauss-Kruger zone 25

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4513')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4513')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 75E (code 4534).

CGCS2000 / 3-degree Gauss-Kruger zone 26

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4514')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4514')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 78E (code 4535).

CGCS2000 / 3-degree Gauss-Kruger zone 27

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4515')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4515')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 81E (code 4536).

CGCS2000 / 3-degree Gauss-Kruger zone 28

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4516')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4516')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 84E (code 4537).

CGCS2000 / 3-degree Gauss-Kruger zone 29

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4517')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4517')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 87E (code 4538).

CGCS2000 / 3-degree Gauss-Kruger zone 30

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4518')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 90E (code 4539).

CGCS2000 / 3-degree Gauss-Kruger zone 31

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4519')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 93E (code 4540).

CGCS2000 / 3-degree Gauss-Kruger zone 32

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4520')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 96E (code 4541).

CGCS2000 / 3-degree Gauss-Kruger zone 33

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4521')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 99E (code 4542).

CGCS2000 / 3-degree Gauss-Kruger zone 34

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4522')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 102E (code 4543).

CGCS2000 / 3-degree Gauss-Kruger zone 35

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4523')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 105E (code 4544).

CGCS2000 / 3-degree Gauss-Kruger zone 36

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4524')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 108E (code 4545).

CGCS2000 / 3-degree Gauss-Kruger zone 37

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4525')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4525')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 111E (code 4546).

CGCS2000 / 3-degree Gauss-Kruger zone 38

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4526')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4526')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 114E (code 4547).

CGCS2000 / 3-degree Gauss-Kruger zone 39

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4527')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4527')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 117E (code 4548).

CGCS2000 / 3-degree Gauss-Kruger zone 40

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4528')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 120E (code 4549).

CGCS2000 / 3-degree Gauss-Kruger zone 41

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4529')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 123E (code 4550).

CGCS2000 / 3-degree Gauss-Kruger zone 42

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4530')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 126E (code 4551).

CGCS2000 / 3-degree Gauss-Kruger zone 43

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4531')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 129E (code 4552).

CGCS2000 / 3-degree Gauss-Kruger zone 44

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4532')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4532')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 132E (code 4553).

CGCS2000 / 3-degree Gauss-Kruger zone 45

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_
↪45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4533')
```

Also found with truncated false easting - see CGCS2000 / 3-degree Gauss-Kruger CM 135E (code 4554).

CGCS2000 / Gauss-Kruger CM 105E

Extent: China - onshore and offshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4507')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4507')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 18 (code 4496).

CGCS2000 / Gauss-Kruger CM 111E

Extent: China - onshore and offshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4508')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4508')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 19 (code 4497).

CGCS2000 / Gauss-Kruger CM 117E

Extent: China - onshore and offshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4509')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4509')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 20 (code 4498).

CGCS2000 / Gauss-Kruger CM 123E

Extent: China - onshore and offshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4510')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4510')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 21 (code 4499).

CGCS2000 / Gauss-Kruger CM 129E

Extent: China - onshore and offshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4511')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4511')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 22 (code 4500).

CGCS2000 / Gauss-Kruger CM 135E

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4512')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4512')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 23 (code 4501).

CGCS2000 / Gauss-Kruger CM 75E

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4502')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4502')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 13 (code 4491).

CGCS2000 / Gauss-Kruger CM 81E

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4503')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4503')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 14 (code 4492).

CGCS2000 / Gauss-Kruger CM 87E

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4504')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4504')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 15 (code 4493).

CGCS2000 / Gauss-Kruger CM 93E

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4505')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4505')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 16 (code 4494).

CGCS2000 / Gauss-Kruger CM 99E

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4506')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4506')
```

Truncated form of CGCS2000 / [6-degree] Gauss-Kruger zone 17 (code 4495).

CGCS2000 / Gauss-Kruger zone 13

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4491')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4491')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 75E (code 4502).

CGCS2000 / Gauss-Kruger zone 14

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4492')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4492')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 81E (code 4503).

CGCS2000 / Gauss-Kruger zone 15

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4493')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4493')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 87E (code 4504).

CGCS2000 / Gauss-Kruger zone 16

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4494')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4494')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 93E (code 4505).

CGCS2000 / Gauss-Kruger zone 17

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4495')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4495')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 99E (code 4506).

CGCS2000 / Gauss-Kruger zone 18

Extent: China - onshore and offshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4496')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4496')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 105E (code 4507).

CGCS2000 / Gauss-Kruger zone 19

Extent: China - onshore and offshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4497')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4497')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 111E (code 4508).

CGCS2000 / Gauss-Kruger zone 20

Extent: China - onshore and offshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4498')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4498')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 117E (code 4509).

CGCS2000 / Gauss-Kruger zone 21

Extent: China - onshore and offshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4499')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4499')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 123E (code 4510).

CGCS2000 / Gauss-Kruger zone 22

Extent: China - onshore and offshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4500')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 129E (code 4511).

CGCS2000 / Gauss-Kruger zone 23

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4501')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4501')
```

Also found with truncated false easting - see CGCS2000 / [6-degree] Gauss-Kruger CM 135E (code 4512).

CGRS93 / Cyprus Local Transverse Mercator

Extent: Cyprus - onshore

```
Projected::fromSRID(Projected::EPSG_CGRS93_CYPRUS_LOCAL_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CGRS93_CYPRUS_LOCAL_TRANSVERSE_
↪MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6312')
```

CH1903 / LV03

Extent: Liechtenstein; Switzerland

```
Projected::fromSRID(Projected::EPSG_CH1903_LV03)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21781')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CH1903_LV03)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21781')
```

Replaces LV03C (CRS code 21780) in Switzerland, but used only occasionally in Liechtenstein. Replaced by CH1903+ / LV95 (CRS code 2056).

CH1903 / LV03C-G

Extent: Liechtenstein

```
Projected::fromSRID(Projected::EPSG_CH1903_LV03C_G)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21782')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CH1903_LV03C_G)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21782')
```

Greenwich-based equivalent of LV03C (CRS code 21780).

CH1903+ / LV95

Extent: Liechtenstein; Switzerland

```
Projected::fromSRID(Projected::EPSG_CH1903_PLUS_LV95)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2056')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CH1903_PLUS_LV95)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2056')
```

Replaces CH1903/LV03 (code 21781).

CI1971 / Chatham Islands Map Grid

Extent: New Zealand - Chatham Islands group - onshore

```
Projected::fromSRID(Projected::EPSG_CI1971_CHATHAM_ISLANDS_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CI1971_CHATHAM_ISLANDS_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5518')
```

Replaced by CI1979 / CIMG (CRS code 5519).

CI1979 / Chatham Islands Map Grid

Extent: New Zealand - Chatham Islands group - onshore

```
Projected::fromSRID(Projected::EPSG_CI1979_CHATHAM_ISLANDS_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CI1979_CHATHAM_ISLANDS_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5519')
```

Replaces CI1971 / CIMG (CRS code 5518). Replaced by NZGD2000 / Chatham Islands TM 2000 (CRS code 3793).

CNH22 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Crewe via Chester to Holyhead

```
Projected::fromSRID(Projected::EPSG_CNH22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10194')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CNH22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10194')
```

The CRS's definition through transformation ETRS89 to CNH22-IRF (1) (code 10192) and map projection CNH22-LCC (code 10193) emulates the CNH22 Snake projection applied to ETRS89 as realized through OSNet 2009. Also replaces CNH1_2019 and CNH3_2015.

COV23 Grid

Extent: United Kingdom (UK) - in and around the area of Coventry city centre and the route to Birmingham airport

```
Projected::fromSRID(Projected::EPSG_COV23_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10471')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_COV23_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10471')
```

Defined through transformation ETRS89 to COV23-IRF (1) (code 10468) and map projection COV23-TM (code 10470). Emulates the COV23 Snake projection applied to ETRS89 as realized through OSNet 2009.

CR-SIRGAS / CRTM05

Extent: Costa Rica - onshore

```
Projected::fromSRID(Projected::EPSG_CR_SIRGAS_CRTM05)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8908')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CR_SIRGAS_CRTM05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8908')
```

Replaces CR05 / CRTM05 (CRS code 5367) from April 2018.

CR-SIRGAS / UTM zone 16N

Extent: Costa Rica - offshore Pacific ocean and onshore Coco Island

```
Projected::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8909')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8909')
```

Replaces CR05 / CRTM05 (CRS code 5367) from April 2018.

CR-SIRGAS / UTM zone 17N

Extent: Costa Rica - offshore - Caribbean sea

```
Projected::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8910')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8910')
```

Replaces CR05 / CRTM05 (CRS code 5367) from April 2018.

CR05 / CRTM05

Extent: Costa Rica - onshore and offshore east of 86°30'W

```
Projected::fromSRID(Projected::EPSG_CR05_CRTM05)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5367')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CR05_CRTM05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5367')
```

Replaces Ocotepeque / Costa Rica Norte (CRS code 5456) and Ocotepeque / Costa Rica Sur (CRS code 5457) from March 2007. Replaced by CR-SIRGAS / CRTM05 (CRS code 8908) from April 2018.

CSG67 / UTM zone 21N

Extent: French Guiana - coastal area west of 54°W

```
Projected::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3312')
```

Replaced by RGFG95 / UTM zone 21N (CRS code 3313).

CSG67 / UTM zone 22N

Extent: French Guiana - coastal area east of 54°W

```
Projected::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2971')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2971')
```

Replaced by RGFG95 / UTM zone 22N (CRS code 2972).

CWS13 Grid

Extent: United Kingdom (UK) - on or related to the rail route from from Chester via Wrexham to Shrewsbury

```
Projected::fromSRID(Projected::EPSG_CWS13_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10199')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CWS13_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10199')
```

The CRS's definition through transformation ETRS89 to CWS13-IRF (1) (code 10197) and map projection CWS13-TM (code 10198) emulates the CWS13 Snake projection applied to ETRS89 as realized through OSNet 2009.

Cadastre 1997 / UTM zone 38S

Extent: Mayotte - onshore

```
Projected::fromSRID(Projected::EPSG_CADASTRE_1997_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5879')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CADASTRE_1997_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5879')
```

Replaces Combani 1950 / UTM zone 38S (CRS code 2980) for cadastral purposes only. For other purposes see RGM04 / UTM zone 38S (CRS code 4471).

Camacupa 1948 / TM 11.30 SE

Extent: Angola - offshore block 15

```
Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_11_30_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22091')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_11_30_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22091')
```

Used by Esso Angola for offshore blocks 15 and 24.

Camacupa 1948 / TM 12 SE

Extent: Angola - Angola proper - offshore

```
Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_12_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22092')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_12_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22092')
```

Used for exploration and production geoscience activity. Note: WGS 84 / TM 12 SE (CRS code 5842) used for Angola LNG project.

Camacupa 1948 / UTM zone 32S

Extent: Angola - Angola proper - offshore - west of 12°E

```
Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMACUPA_1948_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22032')
```

Camacupa 1948 / UTM zone 33S

Extent: Angola - Angola proper between 12°E and 18°E

```
Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22033')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMACUPA_1948_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22033')
```

Campo Inchauspe / Argentina 1

Extent: Argentina - west of 70°30'W

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22191')
```

Campo Inchauspe / Argentina 2

Extent: Argentina - between 70°30'W and 67°30'W, onshore mainland

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22192')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22192')
```

Campo Inchauspe / Argentina 3

Extent: Argentina - between 67°30'W and 64°30'W, onshore mainland

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22193')
```

Campo Inchauspe / Argentina 4

Extent: Argentina - between 64°30'W and 61°30'W, onshore mainland

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22194')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22194')
```

Campo Inchauspe / Argentina 5

Extent: Argentina - between 61°30'W and 58°30'W onshore

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22195')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22195')
```

Campo Inchauspe / Argentina 6

Extent: Argentina - between 58°30'W and 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22196')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22196')
```

Campo Inchauspe / Argentina 7

Extent: Argentina - east of 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22197')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22197')
```

Campo Inchauspe / UTM zone 19S

Extent: Argentina - Tierra del Fuego offshore Atlantic west of 66°W

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2315')
```

Campo Inchauspe / UTM zone 20S

Extent: Argentina - Tierra del Fuego offshore Atlantic east of 66°W

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2316')
```

Cape / Lo15

Extent: Namibia - Walvis Bay

```
Projected::fromSRID(Projected::EPSG_CAPE_LO15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22275')
```

Cape / Lo17

Extent: South Africa - onshore west of 18°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22277')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22277')
```

Cape / Lo19

Extent: South Africa - onshore between 18°E and 20°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22279')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22279')
```

Cape / Lo21

Extent: South Africa - onshore between 20°E and 22°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22281')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22281')
```

Cape / Lo23

Extent: South Africa - onshore between 22°E and 24°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22283')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22283')
```

Cape / Lo25

Extent: South Africa - onshore between 24°E and 26°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22285')
```

Cape / Lo27

Extent: Lesotho - west of 28°E. South Africa - onshore between 26°E and 28°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22287')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22287')
```

Cape / Lo29

Extent: Lesotho - east of 28°E. South Africa - onshore between 28°E and 30°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22289')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22289')
```

Cape / Lo31

Extent: South Africa - onshore between 30°E and 32°E. Eswatini (Swaziland)

```
Projected::fromSRID(Projected::EPSG_CAPE_LO31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22291')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22291')
```

Cape / Lo33

Extent: South Africa - east of 32°E

```
Projected::fromSRID(Projected::EPSG_CAPE_LO33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22293')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_LO33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22293')
```

Cape / UTM zone 34S

Extent: Botswana - west of 24°E

```
Projected::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22234')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22234')
```

Cape / UTM zone 35S

Extent: Botswana - east of 24°E

```
Projected::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22235')
```

Carthage / Nord Tunisie

Extent: Tunisia - onshore north of 38.5 grads North (34°39'N)

```
Projected::fromSRID(Projected::EPSG_CARTHAGE_NORD_TUNISIE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CARTHAGE_NORD_TUNISIE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22391')
```

Carthage / Sud Tunisie

Extent: Tunisia - onshore south of 38.5 grads North (34°39'N)

```
Projected::fromSRID(Projected::EPSG_CARTHAGE_SUD_TUNISIE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CARTHAGE_SUD_TUNISIE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22392')
```

Carthage / TM 11 NE

Extent: Tunisia - offshore

```
Projected::fromSRID(Projected::EPSG_CARTHAGE_TM_11_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2088')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CARTHAGE_TM_11_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2088')
```

Carthage / UTM zone 32N

Extent: Tunisia - offshore

```
Projected::fromSRID(Projected::EPSG_CARTHAGE_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CARTHAGE_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22332')
```

Cayman Islands National Grid 2011

Extent: Cayman Islands - onshore and offshore. Includes Grand Cayman, Little Cayman and Cayman Brac

```
Projected::fromSRID(Projected::EPSG_CAYMAN_ISLANDS_NATIONAL_GRID_2011)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CAYMAN_ISLANDS_NATIONAL_GRID_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6391')
```

Chos Malal 1914 / Argentina 2

Extent: Argentina - Mendoza and Neuquen provinces between 70°30'W and 67°30'W - Neuquen and Cuyo basins

```
Projected::fromSRID(Projected::EPSG_CHOS_MALAL_1914_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2081')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CHOS_MALAL_1914_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2081')
```

Replaced by Campo Inchauspe / Argentina 2 (CRS code 22192) for topographic mapping, use for oil exploration and production continues.

Chua / UTM zone 23S

Extent: Brazil - Distrito Federal

```
Projected::fromSRID(Projected::EPSG_CHUA_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4071')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CHUA_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4071')
```

Combani 1950 / UTM zone 38S

Extent: Mayotte - onshore

```
Projected::fromSRID(Projected::EPSG_COMBANI_1950_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2980')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_COMBANI_1950_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2980')
```

Replaced by Cadastre 1997 / UTM zone 38S (CRS code 5879) for cadastral purposes only and by RGM04 / UTM zone 38S (CRS code 4471) for all other purposes.

Conakry 1905 / UTM zone 28N

Extent: Guinea - onshore west of 12°W

```
Projected::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31528')
```

Replaced by Dabola 1981 / UTM zone 28 (EPSG code 3461).

Conakry 1905 / UTM zone 29N

Extent: Guinea - east of 12°W

```
Projected::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31529')
```

Replaced by Dabola 1981 / UTM zone 29 (EPSG code 3462).

Corrego Alegre 1961 / UTM zone 21S

Extent: Brazil - west of 54°W and between 18°S and 27°30'S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5536')
```

Replaced by Corrego Alegre 1970-72 / UTM zone 21S (CRS code 22521).

Corrego Alegre 1961 / UTM zone 22S

Extent: Brazil - onshore between 54°W and 48°W and between 15°S and 27°30'S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5537')
```

Replaced by Corrego Alegre 1970-72 / UTM zone 22S (CRS code 22522).

Corrego Alegre 1961 / UTM zone 23S

Extent: Brazil - onshore between 48°W and 42°W and south of 15°S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5538')
```

Replaced by Corrego Alegre 1970-72 / UTM zone 23S (CRS code 22523).

Corrego Alegre 1961 / UTM zone 24S

Extent: Brazil - between 42°W and 36°W and south of 15°S, onshore

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5539')
```

Replaced by Corrego Alegre 1970-72 / UTM zone 24S (CRS code 22524).

Corrego Alegre 1970-72 / UTM zone 21S

Extent: Brazil - west of 54°W and south of 18°S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22521')
```

Replaces Corrego Alegre 1961 / UTM zone 21S (CRS code 5536). Replaced by SAD69 / UTM zone 21S (CRS code 29191).

Corrego Alegre 1970-72 / UTM zone 22S

Extent: Brazil - onshore between 54°W and 48°W and south of 15°S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22522')
```

Replaces Corrego Alegre 1961 / UTM zone 22S (CRS code 5537). Replaced by SAD69 / UTM zone 22S (CRS code 29192).

Corrego Alegre 1970-72 / UTM zone 23S

Extent: Brazil - onshore between 48°W and 42°W and south of 15°S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22523')
```

Replaces Corrego Alegre 1961 / UTM zone 23S (CRS code 5538). Replaced by SAD69 / UTM zone 23S (CRS code 29193).

Corrego Alegre 1970-72 / UTM zone 24S

Extent: Brazil - between 42°W and 36°W, onshore

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22524')
```

Replaces Corrego Alegre 1961 / UTM zone 24S (CRS code 5539). Replaced by SAD69 / UTM zone 24S (CRS code 29194).

Corrego Alegre 1970-72 / UTM zone 25S

Extent: Brazil - onshore east of 36°W

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22525')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22525')
```

Replaced by SAD69 / UTM zone 25S (CRS code 29195).

County ST74

Extent: Sweden - Stockholm county. Municipalities of Botkyrka, Danderyd, Ekerö, Haninge, Huddinge, Järfälla, Lidingö, Nacka, Nynäshamn, Salem, Sigtuna, Sollentuna, Solna, Stockholm and Sundbyberg

```
Projected::fromSRID(Projected::EPSG_COUNTY_ST74)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3854')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_COUNTY_ST74)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3854')
```

Simulation of engineering (regional) CRS through a Sweref-related projected CRS. Accuracy better than 0.05m when used together with a Gtrans reprojection model otherwise not better than 0.1m. In Stockholm commune, replaces ST74 (CRS code 3152).

DB_REF / 3-degree Gauss-Kruger zone 2 (E-N)

Extent: Germany - former West Germany onshore west of 7°30'E - states of Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland

```
Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5682')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_2_
```

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```
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5682')
```

DB_REF / 3-degree Gauss-Kruger zone 3 (E-N)

Extent: Germany - onshore between 7°30'E and 10°30'E

```
Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5683')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_3_
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5683')
```

DB_REF / 3-degree Gauss-Kruger zone 4 (E-N)

Extent: Germany - onshore between 10°30'E and 13°30'E

```
Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5684')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_4_
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5684')
```

DB_REF / 3-degree Gauss-Kruger zone 5 (E-N)

Extent: Germany - onshore east of 13°30'E

```
Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5685')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_5_
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5685')
```

DGN95 / Indonesia TM-3 zone 46.2

Extent: Indonesia - onshore west of 96°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_46_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23830')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_46_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23830')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 47.1

Extent: Indonesia - onshore between 96°E and 99°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23831')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23831')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 47.2

Extent: Indonesia - onshore between 99°E and 102°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23832')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23832')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 48.1

Extent: Indonesia - onshore between 102°E and 105°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_48_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23833')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_48_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23833')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 48.2

Extent: Indonesia - onshore between 105°E and 108°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_48_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23834')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_48_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23834')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 49.1

Extent: Indonesia - onshore between 108°E and 111°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23835')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23835')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 49.2

Extent: Indonesia - onshore between 111°E and 114°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23836')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 50.1

Extent: Indonesia - onshore between 114°E and 117°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23837')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 50.2

Extent: Indonesia - onshore between 117°E and 120°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23838')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 51.1

Extent: Indonesia - onshore between 120°E and 123°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23839')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 51.2

Extent: Indonesia - onshore between 123°E and 126°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23840')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23840')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 52.1

Extent: Indonesia - onshore between 126°E and 129°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23841')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23841')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 52.2

Extent: Indonesia - onshore between 129°E and 132°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23842')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23842')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 53.1

Extent: Indonesia - onshore between 132°E and 135°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23843')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23843')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 53.2

Extent: Indonesia - onshore between 135°E and 138°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23844')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23844')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / Indonesia TM-3 zone 54.1

Extent: Indonesia - onshore east of 138°E

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_54_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23845')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_54_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23845')
```

Used by BPN for large scale (1:10,000 and greater) land use mapping.

DGN95 / UTM zone 46N

Extent: Indonesia - north of equator and west of 96°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23866')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23866')
```

Replaces ID74 / UTM zone 46N.

DGN95 / UTM zone 47N

Extent: Indonesia - north of equator and between 96°E and 102°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23867')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23867')
```

Replaces ID74 / UTM zone 47N.

DGN95 / UTM zone 47S

Extent: Indonesia - south of equator and between 96°E and 102°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23877')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23877')
```

Replaces ID74 / UTM zone 47S.

DGN95 / UTM zone 48N

Extent: Indonesia - north of equator and between 102°E and 108°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23868')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23868')
```

Replaces ID74 / UTM zone 48N.

DGN95 / UTM zone 48S

Extent: Indonesia - south of equator and between 102°E and 108°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23878')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23878')
```

Replaces ID74 / UTM zone 48S.

DGN95 / UTM zone 49N

Extent: Indonesia - north of equator and between 108°E and 114°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23869')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23869')
```

Replaces ID74 / UTM zone 49N.

DGN95 / UTM zone 49S

Extent: Indonesia - south of equator and between 108°E and 114°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23879')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23879')
```

Replaces ID74 / UTM zone 49S.

DGN95 / UTM zone 50N

Extent: Indonesia - north of equator and between 114°E and 120°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23870')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23870')
```

Replaces ID74 / UTM zone 50N.

DGN95 / UTM zone 50S

Extent: Indonesia - south of equator and between 114°E and 120°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23880')
```

Replaces ID74 / UTM zone 50S.

DGN95 / UTM zone 51N

Extent: Indonesia - north of equator and between 120°E and 126°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23871')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23871')
```

Replaces ID74 / UTM zone 51N.

DGN95 / UTM zone 51S

Extent: Indonesia - south of equator and between 120°E and 126°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23881')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23881')
```

Replaces ID74 / UTM zone 51S.

DGN95 / UTM zone 52N

Extent: Indonesia - north of equator and between 126°E and 132°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23872')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23872')
```

Replaces ID74 / UTM zone 52N.

DGN95 / UTM zone 52S

Extent: Indonesia - south of equator and between 126°E and 132°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23882')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23882')
```

Replaces ID74 / UTM zone 52S.

DGN95 / UTM zone 53S

Extent: Indonesia - south of equator and between 132°E and 138°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23883')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23883')
```

Replaces ID74 / UTM zone 53S.

DGN95 / UTM zone 54S

Extent: Indonesia - south of equator and east of 138°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23884')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23884')
```

Replaces ID74 / UTM zone 54S.

DHDN / 3-degree Gauss-Kruger zone 1

Extent: Germany - offshore North Sea west of 4°30'E

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5520')
```

See CRS code 5680 for variant with axes order reversed to easting before northing for use in GIS applications.

DHDN / 3-degree Gauss-Kruger zone 1 (E-N)

Extent: Germany - offshore North Sea west of 4°30'E

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_1_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5680')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_1_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5680')
```

DHDN / 3-degree Gauss-Kruger zone 1 (CRS code 5520) but with axis order reversed (and axis abbreviations changed) for GIS applications.

DHDN / 3-degree Gauss-Kruger zone 2

Extent: Germany - former West Germany onshore west of 7°30'E - states of Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31466')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31466')
```

Zone width 3 degrees. Also used offshore between 4.5°E and 7.5°E by State Geological Surveys. Not used offshore in oil industry. See CRS code 5676 for variant with axes order reversed to easting before northing for use in GIS applications.

DHDN / 3-degree Gauss-Kruger zone 2 (E-N)

Extent: Germany - former West Germany onshore west of 7°30'E - states of Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5676')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5676')
```

DHDN / 3-degree Gauss-Kruger zone 2 (CRS code 31466) but with axis order reversed (and axis abbreviations changed) for GIS applications.

DHDN / 3-degree Gauss-Kruger zone 3

Extent: Germany - former West Germany onshore between 7°30'E and 10°30'E - states of Baden-Wurtemberg, Bayern, Bremen, Hamberg, Hessen, Niedersachsen, Nordrhein-Westfalen, Rhineland-Pfalz, Schleswig-Holstein

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31467')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31467')
```

Zone width 3 degrees. Also used offshore by State Geological Surveys. Not used offshore in oil industry. See CRS code 5677 for variant with axes order reversed to easting before northing for use in GIS applications.

DHDN / 3-degree Gauss-Kruger zone 3 (E-N)

Extent: Germany - former West Germany onshore between 7°30'E and 10°30'E - states of Baden-Wurtemberg, Bayern, Bremen, Hamberg, Hessen, Niedersachsen, Nordrhein-Westfalen, Rhineland-Pfalz, Schleswig-Holstein

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5677')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5677')
```

DHDN / 3-degree Gauss-Kruger zone 3 (CRS code 31467) but with axis order reversed (and axis abbreviations changed) for GIS applications.

DHDN / 3-degree Gauss-Kruger zone 4

Extent: Germany - former West Germany onshore between 10°30'E and 13°30'E - states of Bayern, Berlin, Niedersachsen, Schleswig-Holstein

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31468')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31468')
```

Zone width 3 degrees. Also used offshore by State Geological Surveys. Not used offshore in oil industry. See CRS code 5678 for variant with axes order reversed to easting before northing for use in GIS applications.

DHDN / 3-degree Gauss-Kruger zone 4 (E-N)

Extent: Germany - former West Germany onshore between 10°30'E and 13°30'E - states of Bayern, Berlin, Niedersachsen, Schleswig-Holstein

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5678')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5678')
```

DHDN / 3-degree Gauss-Kruger zone 4 (CRS code 31468) but with axis order reversed (and axis abbreviations changed) for GIS applications.

DHDN / 3-degree Gauss-Kruger zone 5

Extent: Germany - former West Germany onshore east of 13°30'E - state of Bayern

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31469')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31469')
```

Zone width 3 degrees. Also used offshore by State Geological Surveys. Not used offshore in oil industry. See CRS code 5679 for variant with axes order reversed to easting before northing for use in GIS applications.

DHDN / 3-degree Gauss-Kruger zone 5 (E-N)

Extent: Germany - former West Germany onshore east of 13°30'E - state of Bayern

```
Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5679')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5679')
```

DHDN / 3-degree Gauss-Kruger zone 5 (CRS code 31469) but with axis order reversed (and axis abbreviations changed) for GIS applications.

DHDN / Soldner Berlin

Extent: Germany - Berlin

```
Projected::fromSRID(Projected::EPSG_DHDN_SOLDNER_BERLIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3068')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DHDN_SOLDNER_BERLIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3068')
```

DIBA15 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Didcot to Banbury

```
Projected::fromSRID(Projected::EPSG_DIBA15_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DIBA15_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10207')
```

Defined through transformation ETRS89 to DIBA15-IRF (1) (code 10205) and map projection DIBA15-TM (code 10206). Emulates the DIBA15 Snake projection applied to ETRS89 as realized through OSNet 2009. Originally referred to as the DIDBAN15 Grid.

DRUKREF 03 / Bhutan National Grid

Extent: Bhutan

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_BHUTAN_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5266')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_BHUTAN_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5266')
```

DRUKREF 03 / Bumthang TM

Extent: Bhutan - Bumthang district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_BUMTHANG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5292')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_BUMTHANG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5292')
```

DRUKREF 03 / Chhukha TM

Extent: Bhutan - Chhukha district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_CHHUKHA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5293')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_CHHUKHA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5293')
```

DRUKREF 03 / Dagana TM

Extent: Bhutan - Dagana district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_DAGANA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5294')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_DAGANA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5294')
```

DRUKREF 03 / Gasa TM

Extent: Bhutan - Gasa district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_GASA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5295')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_GASA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5295')
```

DRUKREF 03 / Ha TM

Extent: Bhutan - Ha district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_HA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5296')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_HA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5296')
```

DRUKREF 03 / Lhuentse TM

Extent: Bhutan - Lhuentse district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_LHUENTSE_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5297')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_LHUENTSE_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5297')
```

DRUKREF 03 / Mongar TM

Extent: Bhutan - Mongar district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_MONGAR_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5298')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_MONGAR_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5298')
```

DRUKREF 03 / Paro TM

Extent: Bhutan - Paro district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_PARO_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5299')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_PARO_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5299')
```

DRUKREF 03 / Pemagatshel TM

Extent: Bhutan - Pemagatshel district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_PEMAGATSHEL_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5300')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_PEMAGATSHEL_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5300')
```

DRUKREF 03 / Punakha TM

Extent: Bhutan - Punakha district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_PUNAKHA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5301')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_PUNAKHA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5301')
```

DRUKREF 03 / Samdrup Jongkhar TM

Extent: Bhutan - Samdrup Jongkhar district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_SAMDRUP_JONGKHAR_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5302')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_SAMDRUP_JONGKHAR_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5302')
```

DRUKREF 03 / Samtse TM

Extent: Bhutan - Samtse district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_SAMTSE_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5303')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_SAMTSE_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5303')
```

DRUKREF 03 / Sarpang TM

Extent: Bhutan - Sarpang district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_SARPANG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5304')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_SARPANG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5304')
```

DRUKREF 03 / Thimphu TM

Extent: Bhutan - Thimphu district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_THIMPHU_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_THIMPHU_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5305')
```

DRUKREF 03 / Trashigang TM

Extent: Bhutan - Trashigang district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_TRASHIGANG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_TRASHIGANG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5306')
```

DRUKREF 03 / Trongsa TM

Extent: Bhutan - Trongsa district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_TRONGSA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_TRONGSA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5307')
```

DRUKREF 03 / Tsirang TM

Extent: Bhutan - Tsirang district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_TSIRANG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_TSIRANG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5308')
```

DRUKREF 03 / Wangdue Phodrang TM

Extent: Bhutan - Wangdue Phodrang district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_WANGDUE_PHODRANG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_WANGDUE_PHODRANG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5309')
```

DRUKREF 03 / Yangtse TM

Extent: Bhutan - Yangtse district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_YANGTSE_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_YANGTSE_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5310')
```

DRUKREF 03 / Zhemgang TM

Extent: Bhutan - Zhemgang district

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_ZHEMGANG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DRUKREF_03_ZHEMGANG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5311')
```

Dabola 1981 / UTM zone 28N

Extent: Guinea - onshore west of 12°W

```
Projected::fromSRID(Projected::EPSG_DABOLA_1981_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3461')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DABOLA_1981_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3461')
```

Replaces Conakry 1905 / UTM zone 28 (EPSG code 31528).

Dabola 1981 / UTM zone 29N

Extent: Guinea - east of 12°W

```
Projected::fromSRID(Projected::EPSG_DABOLA_1981_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DABOLA_1981_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3462')
```

Replaces Conakry 1905 / UTM zone 29 (EPSG code 31529).

Datum 73 / Modified Portuguese Grid

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_DATUM_73_MODIFIED_PORTUGUESE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27493')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DATUM_73_MODIFIED_PORTUGUESE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27493')
```

The projection parameters have been designed such that this CRS grid is almost the same as the Lisbon (Lisbon)/Portuguese Grid (CRS code 20791).

Datum 73 / UTM zone 29N

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_DATUM_73_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DATUM_73_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27429')
```

Dealul Piscului 1930 / Stereo 33

Extent: Romania - onshore

```
Projected::fromSRID(Projected::EPSG_DEALUL_PISCULUI_1930_STEREO_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DEALUL_PISCULUI_1930_STEREO_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31600')
```

Replaced by Stereo 70 system (ProjCRS code 3844).

Deir ez Zor / Levant Stereographic

Extent: Lebanon - onshore. Syrian Arab Republic - onshore

```
Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22780')
```

Used prior to World War II.

Deir ez Zor / Levant Zone

Extent: Lebanon - onshore. Syrian Arab Republic - onshore

```
Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22700')
```

Replaced by Deir ez Zor / Syria Lambert (EPSG code 22770) from 1973.

Deir ez Zor / Syria Lambert

Extent: Lebanon - onshore. Syrian Arab Republic - onshore

```
Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_SYRIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22770')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_SYRIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22770')
```

Replaces Deir ez Zor / Levant zone (EPSG code 22700) from 1973.

DoPw22 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Dovey Junction to Pwllheli

```
Projected::fromSRID(Projected::EPSG_DOPW22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10183')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DOPW22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10183')
```

Defined through transformation ETRS89 to DoPw22-IRF (1) (code 10181) and map projection DoPw22-TM (code 10182). Emulates the DoPw22 Snake projection applied to ETRS89 as realized through OSNet 2009.

Dominica 1945 / British West Indies Grid

Extent: Dominica - onshore

```
Projected::fromSRID(Projected::EPSG_DOMINICA_1945_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2002')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DOMINICA_1945_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2002')
```

Douala 1948 / AEF west

Extent: Cameroon - coastal area

```
Projected::fromSRID(Projected::EPSG_DOUALA_1948_AEF_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_DOUALA_1948_AEF_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3119')
```

Replaced by Manoca 1962 / UTM zone 32N (code 2215).

EBBWV14 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Newport (Park Junction) to Ebbw Vale

```
Projected::fromSRID(Projected::EPSG_EBBWV14_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9943')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EBBWV14_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9943')
```

Defined through transformation ETRS89 to EBBWV14-IRF (1) (code 9941) and map projection EBBWV14-TM (code 9942). Emulates the EBBWV14 Snake projection applied to ETRS89 as realized through OSNet 2009.

ECML14_NB Grid

Extent: United Kingdom (UK) - on or related to rail routes from Newcastle Central to Ashington via Benton North Junction, and the section from Bedlington to Morpeth

```
Projected::fromSRID(Projected::EPSG_ECML14_NB_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9761')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ECML14_NB_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9761')
```

The CRS's definition through transformation ETRS89 to ECML14_NB-IRF (1) (code 9759) and map projection ECML14_NB-TM (code 9760) emulates the ECML14_NB Snake projection applied to ETRS89 as realized through OSNet 2009 CORS.

ED50 / 3-degree Gauss-Kruger zone 10

Extent: Türkiye (Turkey) - between 28°30'E and 31°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2207')
```

Also found with truncated false easting - see ED50 / TM30 (code 2320).

ED50 / 3-degree Gauss-Kruger zone 11

Extent: Türkiye (Turkey) - between 31°30'E and 34°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2208')
```

Also found with truncated false easting - see ED50 / TM33 (code 2321).

ED50 / 3-degree Gauss-Kruger zone 12

Extent: Türkiye (Turkey) - between 34°30'E and 37°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2209')
```

Also found with truncated false easting - see ED50 / TM36 (code 2322).

ED50 / 3-degree Gauss-Kruger zone 13

Extent: Türkiye (Turkey) - between 37°30'E and 40°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2210')
```

Also found with truncated false easting - see ED50 / TM39 (code 2323).

ED50 / 3-degree Gauss-Kruger zone 14

Extent: Türkiye (Turkey) - between 40°30'E and 43°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2211')
```

Also found with truncated false easting - see ED50 / TM42 (code 2324).

ED50 / 3-degree Gauss-Kruger zone 15

Extent: Türkiye (Turkey) - east of 43°30'E

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2212')
```

Also found with truncated false easting - see ED50 / TM45 (code 2325).

ED50 / 3-degree Gauss-Kruger zone 9

Extent: Türkiye (Turkey) - west of 28°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2206')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2206')
```

Also found with truncated false easting - see ED50 / TM27 (code 2319).

ED50 / Iraq National Grid

Extent: Iraq - onshore

```
Projected::fromSRID(Projected::EPSG_ED50_IRAQ_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3893')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_IRAQ_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3893')
```

ED50 / Jordan TM

Extent: Jordan

```
Projected::fromSRID(Projected::EPSG_ED50_JORDAN_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3066')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_JORDAN_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3066')
```

Information has not been confirmed by National Mapping Agency.

ED50 / SPBA LCC

Extent: Europe - South Permian basin

```
Projected::fromSRID(Projected::EPSG_ED50_SPBA_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5643')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_SPBA_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5643')
```

ED50 / TM 0 N

Extent: United Kingdom (UK) - offshore - North Sea

```
Projected::fromSRID(Projected::EPSG_ED50_TM_0_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23090')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM_0_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23090')
```

ED50 / TM 5 NE

Extent: Netherlands - offshore North Sea

```
Projected::fromSRID(Projected::EPSG_ED50_TM_5_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM_5_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23095')
```

ED50 / TM 6 NE

Extent: France - offshore Mediterranean

```
Projected::fromSRID(Projected::EPSG_ED50_TM_6_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5627')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM_6_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5627')
```

Used by Total.

ED50 / TM27

Extent: Türkiye (Turkey) - west of 28°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_TM27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2319')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 9 (code 2206).

ED50 / TM30

Extent: Türkiye (Turkey) - between 28°30'E and 31°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_TM30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2320')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 10 (code 2207).

ED50 / TM33

Extent: Türkiye (Turkey) - between 31°30'E and 34°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_TM33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2321')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 11 (code 2208).

ED50 / TM36

Extent: Türkiye (Turkey) - between 34°30'E and 37°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_TM36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2322')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 12 (code 2209).

ED50 / TM39

Extent: Türkiye (Turkey) - between 37°30'E and 40°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_TM39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2323')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 13 (code 2210).

ED50 / TM42

Extent: Türkiye (Turkey) - between 40°30'E and 43°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_ED50_TM42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2324')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 14 (code 2211).

ED50 / TM45

Extent: Türkiye (Turkey) - east of 43°30'E

```
Projected::fromSRID(Projected::EPSG_ED50_TM45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_TM45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2325')
```

Also found with zone number prefix to false easting - see ED50 / 3-degree Gauss-Kruger zone 15 (code 2212).

ED50 / UTM zone 28N

Extent: Europe - between 18°W and 12°W - Ireland offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23028')
```

ED50 / UTM zone 29N

Extent: Europe - between 12°W and 6°W - Faroe Islands - onshore; Spain - mainland onshore; Ireland offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23029')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23029')
```

ED50 / UTM zone 30N

Extent: Europe - between 6°W and 0°W - Channel Islands (Jersey, Guernsey); France offshore; Gibraltar; Ireland offshore; Norway including Svalbard - offshore; Spain - onshore; United Kingdom - UKCS offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23030')
```

ED50 / UTM zone 31N

Extent: Europe - between 0°E and 6°E - Andorra; Denmark (North Sea); France - offshore; Germany - offshore; Netherlands - offshore; Norway including Svalbard - onshore and offshore; Spain - onshore (mainland and Balearic Islands); United Kingdom - offshore UKCS

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23031')
```

ED50 / UTM zone 32N

Extent: Europe - between 6°E and 12°E - Denmark - onshore and offshore; France - offshore; Germany offshore; Italy - onshore and offshore; Netherlands offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23032')
```

ED50 / UTM zone 33N

Extent: Europe - between 12°E and 18°E onshore and offshore - Denmark (including Bornholm); Italy including San Marino and Vatican City State; Malta; Norway including Svalbard

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23033')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23033')
```

ED50 / UTM zone 34N

Extent: Europe - between 18°E and 24°E - Greece - offshore; Italy - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23034')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23034')
```

ED50 / UTM zone 35N

Extent: Europe - between 24°E and 30°E - Greece - offshore; Norway including Svalbard - onshore and offshore; Türkiye (Turkey) - onshore and offshore. Egypt - Western Desert

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23035')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23035')
```

ED50 / UTM zone 36N

Extent: Europe - between 30°E and 36°E - Israel - offshore; Jordan; Norway including Svalbard - onshore and offshore; Türkiye (Turkey) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23036')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23036')
```

ED50 / UTM zone 37N

Extent: Europe - between 36°E and 42°E - Jordan; Norway including Svalbard - offshore; Türkiye (Turkey) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23037')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23037')
```

ED50 / UTM zone 38N

Extent: Europe - between 42°E and 48°E - Türkiye (Turkey)

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23038')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23038')
```

ED50(ED77) / UTM zone 38N

Extent: Iran - west of 48°E

```
Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2058')
```

ED50(ED77) / UTM zone 39N

Extent: Iran - onshore and offshore between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2059')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2059')
```

ED50(ED77) / UTM zone 40N

Extent: Iran - onshore between 54°E and 60°E, Gulf offshore between of 54°E and Strait of Hormuz

```
Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2060')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2060')
```

ED50(ED77) / UTM zone 41N

Extent: Iran - onshore east of 60°E

```
Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2061')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2061')
```

ELD79 / Libya zone 10

Extent: Libya - onshore between 18°E and 20°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2073')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2073')
```

ELD79 / Libya zone 11

Extent: Libya - onshore between 20°E and 22°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2074')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2074')
```

ELD79 / Libya zone 12

Extent: Libya - onshore between 22°E and 24°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2075')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2075')
```

ELD79 / Libya zone 13

Extent: Libya - onshore east of 24°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2076')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2076')
```

ELD79 / Libya zone 5

Extent: Libya - west of 10°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2068')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2068')
```

ELD79 / Libya zone 6

Extent: Libya - onshore between 10°E and 12°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2069')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2069')
```

ELD79 / Libya zone 7

Extent: Libya - onshore between 12°E and 14°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2070')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2070')
```

ELD79 / Libya zone 8

Extent: Libya - onshore between 14°E and 16°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2071')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2071')
```

ELD79 / Libya zone 9

Extent: Libya - onshore between 16°E and 18°E

```
Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2072')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2072')
```

ELD79 / TM 12 NE

Extent: Libya - onshore west of 15°E

```
Projected::fromSRID(Projected::EPSG_ELD79_TM_12_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2087')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_TM_12_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2087')
```

ELD79 / UTM zone 32N

Extent: Libya - onshore west of 12°E

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2077')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2077')
```

ELD79 / UTM zone 33N

Extent: Libya - onshore between 12°E and 18°E

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2078')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2078')
```

ELD79 / UTM zone 34N

Extent: Libya - onshore between 18°E and 24°E

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2079')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2079')
```

ELD79 / UTM zone 35N

Extent: Libya - onshore east of 24°E

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2080')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2080')
```

EOS21 Grid

Extent: United Kingdom (UK) - on or related to the complex of rail routes in the East of Scotland, incorporating the route from Tweedbank through the Borders to Edinburgh; the line from Edinburgh to Aberdeen; routes via Kirkaldy and Cowdenbeath; and routes via Leuchars and Perth to Dundee.

```
Projected::fromSRID(Projected::EPSG_EOS21_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9741')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EOS21_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9741')
```

The CRS's definition through transformation ETRS89 to EOS21-IRF (1) (code 9740) and map projection EOS21-TM (code 9738) emulates the EOS21 Snake projection applied to ETRS89 as realized through OSNet 2009 CORS.

ETRF2000-PL / CS2000/15

Extent: Poland - onshore and offshore west of 16°30'E

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2176')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2176')
```

See ETRF2000-PL / CS92 (code 2180) for smaller scale mapping.

ETRF2000-PL / CS2000/18

Extent: Poland - onshore and offshore between 16°30'E and 19°30'E

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2177')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2177')
```

See ETRF2000-PL / CS92 (code 2180) for smaller scale mapping.

ETRF2000-PL / CS2000/21

Extent: Poland - onshore and offshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2178')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2178')
```

See ETRF2000-PL / CS92 (code 2180) for smaller scale mapping.

ETRF2000-PL / CS2000/24

Extent: Poland - east of 22°30'E

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2179')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2179')
```

See ETRF2000-PL / CS92 (code 2180) for smaller scale mapping.

ETRF2000-PL / CS92

Extent: Poland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS92)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2180')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRF2000_PL_CS92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2180')
```

See ETRF2000-PL / CS2000 zones 2000/15, 2000/18, 2000/21 and 2000/24 (codes 2176-79) for large scale purposes.

ETRS89 / Albania LCC 2010

Extent: Albania - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_ALBANIA_LCC_2010)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6962')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ALBANIA_LCC_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6962')
```

ETRS89 / Albania TM 2010 (CRS code 6870) used for larger scales.

ETRS89 / Albania TM 2010

Extent: Albania - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_ALBANIA_TM_2010)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6870')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ALBANIA_TM_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6870')
```

Planimetric component of Albanian Geodetic Reference Framework (KRGJSH) 2010. ETRS89 / Albania LCC 2010 (CRS code 6962) used for mapping at scales of 1/500,000 and smaller.

ETRS89 / Austria Lambert

Extent: Austria

```
Projected::fromSRID(Projected::EPSG_ETRS89_AUSTRIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_AUSTRIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3416')
```

Replaces MGI / Austria Lambert (CRS code 31287).

ETRS89 / Belgian Lambert 2005

Extent: Belgium - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2005)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3447')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2005)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3447')
```

Coordinates referenced to ETRS89 / Lambert 2005 differ from coordinates referenced to BD72 / Lambert 1972 (CRS code 31370) by approximately 1km in easting and northing. Replaced in 2008 by ETRS89 / Lambert 2008 (CRS code 3812).

ETRS89 / Belgian Lambert 2008

Extent: Belgium - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2008)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3812')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2008)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3812')
```

Replaces ETRS89 / Lambert 2005 (code 3447). Coordinates referenced to ETRS89 / Lambert 2008 differ from coordinates referenced to BD72 / Lambert 1972 (CRS code 31370) by approximately 500km in easting and northing.

ETRS89 / DKTM1

Extent: Denmark - Jutland onshore west of 10°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4093')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DKTM1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4093')
```

For large scale topographic mapping and cadastral survey ETRS89 / Kp2000 Jutland (CRS code 2196) is used. For medium and small scale topographic mapping ETRS89 / UTM zone 32N (CRS code 25832) is used.

ETRS89 / DKTM2

Extent: Denmark - onshore - Jutland east of 9°E and Funen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4094')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DKTM2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4094')
```

For large scale topographic mapping and cadastral survey ETRS89 / Kp2000 Jutland (CRS code 2196) is used. For medium and small scale topographic mapping ETRS89 / UTM zone 32N (CRS code 25832) is used.

ETRS89 / DKTM3

Extent: Denmark - Zealand and Lolland (onshore)

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DKTM3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4095')
```

For large scale topographic mapping and cadastral survey ETRS89 / Kp2000 Zealand (CRS code 2197) is used. For medium and small scale topographic mapping ETRS89 / UTM (CRS codes 25832 and 25833) are used.

ETRS89 / DKTM4

Extent: Denmark - Bornholm onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4096')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DKTM4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4096')
```

For large scale topographic mapping and cadastral survey ETRS89 / Kp2000 Bornholm (CRS code 2198) is used. For medium and small scale topographic mapping ETRS89 / UTM zone 33N (CRS code 25833) is used.

ETRS89 / EPSG Arctic zone 2-22

Extent: Arctic - between 84°30'N and 79°30'N, approximately 4°W to approximately 36°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_2_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6069')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_2_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6069')
```

ETRS89 / EPSG Arctic zone 3-11

Extent: Arctic (Norway (Svalbard) onshore and offshore) - between 81°10'N and 76°10'N

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_3_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6070')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_3_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6070')
```

ETRS89 / EPSG Arctic zone 4-26

Extent: Arctic - between 77°50'N and 72°50'N, approximately 2°W to approximately 22°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6071')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6071')
```

ETRS89 / EPSG Arctic zone 4-28

Extent: Arctic - between 77°50'N and 72°50'N, approximately 22°E to approximately 46°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6072')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6072')
```

ETRS89 / EPSG Arctic zone 5-11

Extent: Arctic - between 74°30'N and 69°30'N, approximately 4°E to approximately 24°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6073')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6073')
```

ETRS89 / EPSG Arctic zone 5-13

Extent: Arctic - between 74°30'N and 69°30'N, approximately 24°E to approximately 44°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6074')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6074')
```

ETRS89 / EPSG Arctic zone 5-47

Extent: Arctic - between 74°30'N and 69°30'N, approximately 15°W to approximately 5°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6125')
```

ETRS89 / ETRS-GK19FIN

Extent: Finland - onshore west of 19°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK19FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3126')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK19FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3126')
```

Withdrawn and replaced in 2009 by ETRS89 / GK19FIN (CRS code 3873).

ETRS89 / ETRS-GK20FIN

Extent: Finland - onshore between 19°30'E and 20°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK20FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3127')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK20FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3127')
```

Withdrawn and replaced in 2009 by ETRS89 / GK20FIN (CRS code 3874).

ETRS89 / ETRS-GK21FIN

Extent: Finland - onshore between 20°30'E and 21°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK21FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK21FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3128')
```

Withdrawn and replaced in 2009 by ETRS89 / GK21FIN (CRS code 3875).

ETRS89 / ETRS-GK22FIN

Extent: Finland - onshore between 21°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK22FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3129')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK22FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3129')
```

Withdrawn and replaced in 2009 by ETRS89 / GK22FIN (CRS code 3876).

ETRS89 / ETRS-GK23FIN

Extent: Finland - onshore between 22°30'E and 23°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK23FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3130')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK23FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3130')
```

Withdrawn and replaced in 2009 by ETRS89 / GK23FIN (CRS code 3877).

ETRS89 / ETRS-GK24FIN

Extent: Finland - onshore between 23°30'E and 24°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK24FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3131')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK24FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3131')
```

Withdrawn and replaced in 2009 by ETRS89 / GK24FIN (CRS code 3878).

ETRS89 / ETRS-GK25FIN

Extent: Finland - onshore between 24°30'E and 25°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK25FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3132')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK25FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3132')
```

Withdrawn and replaced in 2009 by ETRS89 / GK25FIN (CRS code 3879).

ETRS89 / ETRS-GK26FIN

Extent: Finland - onshore between 25°30'E and 26°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK26FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3133')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK26FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3133')
```

Withdrawn and replaced in 2009 by ETRS89 / GK26FIN (CRS code 3880).

ETRS89 / ETRS-GK27FIN

Extent: Finland - onshore between 26°30'E and 27°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK27FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3134')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK27FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3134')
```

Withdrawn and replaced in 2009 by ETRS89 / GK27FIN (CRS code 3881).

ETRS89 / ETRS-GK28FIN

Extent: Finland - onshore between 27°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK28FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3135')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK28FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3135')
```

Withdrawn and replaced in 2009 by ETRS89 / GK28FIN (CRS code 3882).

ETRS89 / ETRS-GK29FIN

Extent: Finland - between 28°30'E and 29°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK29FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3136')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK29FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3136')
```

Withdrawn and replaced in 2009 by ETRS89 / GK29FIN (CRS code 3883).

ETRS89 / ETRS-GK30FIN

Extent: Finland - between 29°30'E and 30°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK30FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3137')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK30FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3137')
```

Withdrawn and replaced in 2009 by ETRS89 / GK30FIN (CRS code 3884).

ETRS89 / ETRS-GK31FIN

Extent: Finland - east of 30°30'E

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK31FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3138')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_ETRS_GK31FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3138')
```

Withdrawn and replaced in 2009 by ETRS89 / GK31FIN (CRS code 3885).

ETRS89 / Faroe Lambert

Extent: Faroe Islands - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_FAROE_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3145')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_FAROE_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3145')
```

Replaces ED50 / UTM zone 29N for topographic mapping. For cadastral survey see fk89 (CRS code 3173).

ETRS89 / Faroe TM

Extent: Faroe Islands - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_FAROE_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_FAROE_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5316')
```

Introduced in 2010. For topographic mapping see ETRS89 / Faroe Lambert (CRS code 3145). For cadastral survey see fk89 (CRS code 3173). In due course this CRS (5316) is expected to replace these other CRSs.

ETRS89 / GK19FIN

Extent: Finland - nominally onshore west of 19°30'E but may be used in adjacent areas to east if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK19FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3873')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK19FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3873')
```

Replaces ETRS89 / ETRS-GK19FIN (CRS code 3126). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK20FIN

Extent: Finland - nominally onshore between 19°30'E and 20°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK20FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3874')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK20FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3874')
```

Replaces ETRS89 / ETRS-GK20FIN (CRS code 3127). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK21FIN

Extent: Finland - nominally onshore between 20°30'E and 21°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK21FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3875')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK21FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3875')
```

Replaces ETRS89 / ETRS-GK21FIN (CRS code 3128). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK22FIN

Extent: Finland - nominally onshore between 21°30'E and 22°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK22FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3876')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK22FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3876')
```

Replaces ETRS89 / ETRS-GK22FIN (CRS code 3129). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK23FIN

Extent: Finland - nominally onshore between 22°30'E and 23°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK23FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3877')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK23FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3877')
```

Replaces ETRS89 / ETRS-GK23FIN (CRS code 3130). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK24FIN

Extent: Finland - nominally onshore between 23°30'E and 24°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK24FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3878')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK24FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3878')
```

Replaces ETRS89 / ETRS-GK24FIN (CRS code 3131). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK25FIN

Extent: Finland - nominally onshore between 24°30'E and 25°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK25FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3879')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK25FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3879')
```

Replaces ETRS89 / ETRS-GK25FIN (CRS code 3132). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK26FIN

Extent: Finland - nominally onshore between 25°30'E and 26°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK26FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK26FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3880')
```

Replaces ETRS89 / ETRS-GK26FIN (CRS code 3133). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK27FIN

Extent: Finland - nominally onshore between 26°30'E and 27°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK27FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3881')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK27FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3881')
```

Replaces ETRS89 / ETRS-GK27FIN (CRS code 3134). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK28FIN

Extent: Finland - nominally onshore between 27°30'E and 28°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK28FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3882')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK28FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3882')
```

Replaces ETRS89 / ETRS-GK28FIN (CRS code 3135). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK29FIN

Extent: Finland - nominally between 28°30'E and 29°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK29FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3883')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK29FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3883')
```

Replaces ETRS89 / ETRS-GK29FIN (CRS code 3136). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK30FIN

Extent: Finland - nominally between 29°30'E and 30°30'E but may be used in adjacent areas if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK30FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3884')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK30FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3884')
```

Replaces ETRS89 / ETRS-GK30FIN (CRS code 3137). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / GK31FIN

Extent: Finland - nominally east of 30°30'E but may be used in adjacent areas to west if a municipality chooses to use one zone over its whole extent

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK31FIN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3885')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GK31FIN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3885')
```

Replaces ETRS89 / ETRS-GK31FIN (CRS code 3138). (For medium scale mapping and country-wide work use ETRS89 / TM35FIN(N,E), code 5048).

ETRS89 / Gauss-Kruger CM 9E

Extent: Germany - Hamburg, including Neuwerk, Nigehörn, Scharhörn and surrounding maritime area

```
Projected::fromSRID(Projected::EPSG_ETRS89_GAUSS_KRUGER_CM_9E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GAUSS_KRUGER_CM_9E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8395')
```

ETRS89 / Guernsey Grid

Extent: Channel Islands - Guernsey, Alderney, Sark, Herm, Brecqhou, Jethou, Lihou - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_GUERNSEY_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3108')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_GUERNSEY_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3108')
```

Replaced ED50 / UTM zone 30N with effect from 1996.

ETRS89 / Jersey Transverse Mercator

Extent: Channel Islands - Jersey, Les Ecrehos and Les Minquiers - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_JERSEY_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_JERSEY_TRANSVERSE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3109')
```

Effective from January 1st 2005.

ETRS89 / Kp2000 Bornholm

Extent: Denmark - Bornholm onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_BORNHOLM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2198')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_KP2000_BORNHOLM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2198')
```

Replaces System 45. For engineering survey and construction ETRS89 / DKTM4 (code 4096) is also used. For medium and small scale topographic mapping and cadastre ETRS89 / UTM zone 33N (code 25833) is used.

ETRS89 / Kp2000 Jutland

Extent: Denmark - Jutland and Funen - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_JUTLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2196')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_KP2000_JUTLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2196')
```

Replaces System 34 Jutland zone. For engineering survey and construction ETRS89 / DKTM (CRS codes 4093-94) are also used. For medium and small scale topographic mapping and cadastre ETRS89 / UTM zone 32N (code 25832) is used.

ETRS89 / Kp2000 Zealand

Extent: Denmark - Zealand and Lolland (onshore)

```
Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_ZEALAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2197')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_KP2000_ZEALAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2197')
```

Replaces System 34 Zealand zone. For engineering survey and construction ETRS89 / DKTM3 (CRS code 4095) is also used. For medium and small scale topographic mapping and cadastre ETRS89 / UTM zones 32N and 33N (CRS codes 25832-33) are used.

ETRS89 / LCC Germany (E-N)

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5243')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5243')
```

See ETRS89 / LCC Germany (N-E) (CRS code 4839) for similar CRS but with alternative axis order.

ETRS89 / LCC Germany (N-E)

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4839')
```

Variant for Germany of ETRS89 / LCC Europe (CRS code 3034). See ETRS89 / LCC Germany (E-N) (CRS code 5243) for similar CRS but with alternative axis order.

ETRS89 / NTM zone 10

Extent: Norway - onshore - between 10°E and 11°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5110')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 11

Extent: Norway - onshore - between 11°E and 12°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5111')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 12

Extent: Norway - onshore - between 12°E and 13°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5112')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 13

Extent: Norway - onshore - between 13°E and 14°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5113')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 14

Extent: Norway - onshore - between 14°E and 15°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5114')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 15

Extent: Norway - onshore - between 15°E and 16°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5115')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 16

Extent: Norway - onshore - between 16°E and 17°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5116')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 17

Extent: Norway - onshore - between 17°E and 18°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5117')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 18

Extent: Norway - onshore - between 18°E and 19°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5118')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 19

Extent: Norway - onshore - between 19°E and 20°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5119')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 20

Extent: Norway - onshore - between 20°E and 21°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5120')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 21

Extent: Norway - onshore - between 21°E and 22°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5121')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 22

Extent: Norway - onshore - between 22°E and 23°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5122')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 23

Extent: Norway - onshore - between 23°E and 24°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5123')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 24

Extent: Norway - onshore - between 24°E and 25°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5124')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 25

Extent: Norway - onshore - between 25°E and 26°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5125')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 26

Extent: Norway - onshore - between 26°E and 27°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5126')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5126')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 27

Extent: Norway - onshore - between 27°E and 28°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5127')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5127')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 28

Extent: Norway - onshore - between 28°E and 29°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5128')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 29

Extent: Norway - onshore - between 29°E and 30°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5129')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5129')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 30

Extent: Norway - onshore - east of 30°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5130')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5130')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 5

Extent: Norway - onshore - west of 6°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5105')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5105')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 6

Extent: Norway - onshore - between 6°E and 7°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5106')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5106')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 7

Extent: Norway - onshore - between 7°E and 8°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5107')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5107')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 8

Extent: Norway - onshore - between 8°E and 9°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5108')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5108')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / NTM zone 9

Extent: Norway - onshore - between 9°E and 10°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5109')
```

ETRS89 / UTM is the projected CRS for Norway recommended by the Norwegian Mapping Authority. This CRS using NTM is an alternative when UTM scale is too far from unity, in particular for construction projects.

ETRS89 / Portugal TM06

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_PORTUGAL_TM06)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3763')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_PORTUGAL_TM06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3763')
```

ETRS89 / TM 30 NE

Extent: Romania - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_TM_30_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_TM_30_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2213')
```

ETRS89 / TM Baltic93

Extent: Estonia, Latvia and Lithuania - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_TM_BALTIC93)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25884')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_TM_BALTIC93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25884')
```

Used as a common CRS for the Baltic states and for medium and small scale mapping since 1993. For large scale applications see CRS codes 3300-01 (Estonia), 3059 (Latvia) and 2600 (Lituania).

ETRS89 / TM35FIN(E,N)

Extent: Finland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_TM35FIN_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3067')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_TM35FIN_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3067')
```

Identical to ETRS89 / UTM zone 35N (code 25835) except for area of use. See ETRS89 / TM35FIN(N,E) (code 5048) for more usually used alternative with axis order reversed.

ETRS89 / TM35FIN(N,E)

Extent: Finland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_TM35FIN_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_TM35FIN_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5048')
```

Identical to ETRS89 / UTM zone 35N (N,E) (code 3047) except for area of use. Used in preference to ETRS89 / TM35FIN(E,N) (CRS code 3067) in which coordinate axes are in order easting-northing.

ETRS89 / UTM zone 28N

Extent: Europe between 18°W and 12°W: Faroe Islands - offshore; Ireland - offshore; Jan Mayen - offshore; Portugal - offshore mainland; Spain - offshore mainland; United Kingdom (UKCS) - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25828')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25828')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 28N (N-E)

Extent: Europe between 18°W and 12°W: Faroe Islands - offshore; Ireland - offshore; Jan Mayen - offshore; Portugal - offshore mainland; Spain - offshore mainland; United Kingdom (UKCS) - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3040')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3040')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 28N (CRS code 25828) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 29N

Extent: Europe between 12°W and 6°W: Faroe Islands - onshore and offshore; Ireland - offshore; Jan Mayen - onshore and offshore; Portugal - onshore and offshore; Spain - onshore and offshore; United Kingdom - UKCS offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25829')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25829')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 29N (N-E)

Extent: Europe between 12°W and 6°W: Faroe Islands - onshore and offshore; Ireland - offshore; Jan Mayen - onshore and offshore; Portugal - onshore and offshore; Spain - onshore and offshore; United Kingdom - UKCS offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_29N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3041')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_29N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3041')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 29N (CRS code 25829) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 30N

Extent: Europe between 6°W and 0°W: Faroe Islands offshore; Ireland - offshore; Jan Mayen - offshore; Norway including Svalbard - offshore; Spain - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25830')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25830')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 30N (N-E)

Extent: Europe between 6°W and 0°W: Faroe Islands offshore; Ireland - offshore; Jan Mayen - offshore; Norway including Svalbard - offshore; Spain - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3042')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3042')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 30N (CRS code 25830) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 31N

Extent: Europe between 0°E and 6°E: Andorra; Belgium - onshore and offshore; Denmark - offshore; Germany - offshore; Jan Mayen - offshore; Norway including Svalbard - onshore and offshore; Spain - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25831')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25831')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 31N (N-E)

Extent: Europe between 0°E and 6°E: Andorra; Belgium - onshore and offshore; Denmark - offshore; Germany - offshore; Jan Mayen - offshore; Norway including Svalbard - onshore and offshore; Spain - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3043')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3043')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 31N (CRS code 25831) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 31N (N-zE)

Extent: Germany - onshore and offshore west of 6°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_ZE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5651')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_ZE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5651')
```

Variant used in Germany of ETRS89 / UTM zone 31N (code 25831) in which axis order is reversed and easting has zone prefix. Does not distinguish between different realizations of ETRS89. For cadastre and engineering survey use DREF91/2016 CRS code 10286.

ETRS89 / UTM zone 31N (zE-N)

Extent: Germany - onshore and offshore west of 6°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_ZE_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5649')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_ZE_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5649')
```

Variant used in Germany of ETRS89 / UTM zone 31N (CRS code 25831) in which easting has zone prefix. Does not distinguish between different realizations of ETRS89. For cadastre and engineering survey use ETRS89/DREF91/2016 (CRS code 10287).

ETRS89 / UTM zone 32N

Extent: Europe between 6°E and 12°E: Austria; Belgium; Denmark - onshore and offshore; Germany - onshore and offshore; Norway including - onshore and offshore; Spain - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25832')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25832')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 32N (N-E)

Extent: Europe between 6°E and 12°E: Austria; Belgium; Denmark - onshore and offshore; Germany - onshore and offshore; Norway including - onshore and offshore; Spain - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3044')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3044')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 32N (CRS code 25832) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 32N (N-zE)

Extent: Germany - onshore and offshore between 6°E and 12°E - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_ZE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5652')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_ZE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5652')
```

Variant used in Germany of ETRS89 / UTM zone 32N (code 25832) in which axis order is reversed and easting has zone prefix. Does not distinguish between different realizations of ETRS89. For cadastre and engineering survey use DREF91/2016 CRS code 10288.

ETRS89 / UTM zone 32N (zE-N)

Extent: Germany - onshore and offshore between 6°E and 12°E - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_ZE_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4647')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_ZE_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4647')
```

Variant used in Germany of ETRS89 / UTM zone 32N (CRS code 25832) in which easting has zone prefix. Does not distinguish between different realizations of ETRS89. For cadastre and engineering survey use ETRS89/DREF91/2016 (CRS code 10289).

ETRS89 / UTM zone 33N

Extent: Europe between 12°E and 18°E: Austria; Denmark - offshore and offshore; Germany - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25833')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25833')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 33N (N-E)

Extent: Europe between 12°E and 18°E: Austria; Denmark - offshore and offshore; Germany - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3045')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3045')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 33N (CRS code 25833) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 33N (N-zE)

Extent: Germany - onshore and offshore east of 12°E, together with that part of Brandenburg state west of 12°E - Bayern, Berlin, Brandenburg (all state), Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_ZE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5653')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_ZE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5653')
```

Variant used in Germany of ETRS89 / UTM zone 33N (code 25833) in which axis order is reversed and easting has zone prefix. Does not distinguish between different realizations of ETRS89. For cadastre and engineering survey use DREF91/2016 CRS code 10290.

ETRS89 / UTM zone 33N (zE-N)

Extent: Germany - onshore and offshore east of 12°E, together with that part of Brandenburg state west of 12°E - Bayern, Berlin, Brandenburg (all state), Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_ZE_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5650')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_ZE_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5650')
```

Variant used in Germany of ETRS89 / UTM zone 33N (CRS code 25833) in which easting has zone prefix. Does not distinguish between different realizations of ETRS89. For cadastre and engineering survey use ETRS89/DREF91/2016 (CRS code 10291).

ETRS89 / UTM zone 34N

Extent: Europe between 18°E and 24°E: Finland - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25834')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25834')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 34N (N-E)

Extent: Europe between 18°E and 24°E: Finland - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3046')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3046')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 34N (CRS code 25834) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 35N

Extent: Europe between 24°E and 30°E: Finland - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25835')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25835')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 35N (N-E)

Extent: Europe between 24°E and 30°E: Finland - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_35N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3047')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_35N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3047')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 35N (CRS code 25835) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 36N

Extent: Europe between 30°E and 36°E: Finland - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25836')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 36N (N-E)

Extent: Europe between 30°E and 36°E: Finland - onshore and offshore; Norway including Svalbard - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3048')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 36N (CRS code 25836) for CRS with preferred east-north axis order.

ETRS89 / UTM zone 37N

Extent: Europe between 36°E and 42°E: Norway including Svalbard - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25837')
```

The distinction in usage between ETRF89 and ETRS89 is confused: although in principle conceptually different in practice both are used as synonyms.

ETRS89 / UTM zone 37N (N-E)

Extent: Europe between 36°E and 42°E: Norway including Svalbard - offshore

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3049')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3049')
```

ETRS89-LCC (CRS code 3034) used for conformal mapping at 1:500,000 and smaller scales. ETRS89-LAEA (CRS code 3035) used for statistical applications at all scales. See ETRS89 / UTM zone 37N (CRS code 25837) for CRS with preferred east-north axis order.

ETRS89-extended / LAEA Europe

Extent: Europe - European Union (EU) countries and candidates. Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Iceland; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal including Madeira and Azores; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain including Canary Islands; Sweden; Switzerland; Türkiye (Turkey); United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Projected::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3035')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3035')
```

Use ETRS89 / LCC for conformal mapping at 1:500,000 scale or smaller or ETRS89 / UTM for conformal mapping at scales larger than 1:500,000. Use formally limited to ETRS89 area of continental Europe but extended for pan-European analysis at small scales.

ETRS89-extended / LCC Europe

Extent: Europe - European Union (EU) countries and candidates. Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Iceland; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal including Madeira and Azores; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain including Canary Islands; Sweden; Switzerland; Türkiye (Turkey); United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Projected::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LCC_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3034')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LCC_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3034')
```

Use formally limited to ETRS89 area of continental Europe but extended for pan-European analysis at small scales. ETRS89 / UTM used for conformal mapping at scales larger than 1:500,000. ETRS89 / LAEA used for statistical applications at any scale.

ETRS89/DREF91/2016 / 3-degree Gauss-Kruger zone 3

Extent: Germany - Hamburg, including Neuwerk, Nigehörn, Scharhörn and surrounding maritime area

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_3_DEGREE_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_3_DEGREE_GAUSS_
↪KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10285')
```

Replaces CRS code 8395 from 2016-12-01.

ETRS89/DREF91/2016 / UTM zone 31N

Extent: Germany - onshore and offshore west of 6°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10731')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10731')
```

Replaces ETRS89 / UTM zone 31N (CRS code 25831) for cadastre and engineering survey in Germany.

ETRS89/DREF91/2016 / UTM zone 31N (N-zE)

Extent: Germany - onshore and offshore west of 6°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N_N_ZE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10286')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N_N_ZE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10286')
```

Variant of ETRS89/DREF91/2016 / UTM zone 31N (CRS code 10731) in which axis order is N,E and easting has zone prefix. Replaces ETRS89 / UTM zone 31N (N-zE) (code 5651) for cadastre and engineering survey.

ETRS89/DREF91/2016 / UTM zone 31N (zE-N)

Extent: Germany - onshore and offshore west of 6°E

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N_ZE_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10287')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N_ZE_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10287')
```

Variant of ETRS89/DREF91/2016 / UTM zone 31N (CRS code 10731) in which axis order is E,N and easting has zone prefix. Replaces ETRS89 / UTM zone 31N (zE-N) (code 5649) for cadastre and engineering survey.

ETRS89/DREF91/2016 / UTM zone 32N

Extent: Germany - onshore and offshore between 6°E and 12°E - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10732')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10732')
```

Replaces ETRS89 / UTM zone 32N (CRS code 25832) for cadastre and engineering survey in Germany. For Brandenburg west of 12°E use CRS code 10733.

ETRS89/DREF91/2016 / UTM zone 32N (N-zE)

Extent: Germany - onshore and offshore between 6°E and 12°E - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N_N_ZE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10288')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N_N_ZE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10288')
```

Variant of ETRS89/DREF91/2016 / UTM zone 32N (CRS code 10732) in which axis order is N,E and easting has zone prefix. Replaces ETRS89 / UTM zone 32N (N-zE) (code 5652) for cadastre and engineering survey. For Brandenburg west of 12°E use CRS code 10290.

ETRS89/DREF91/2016 / UTM zone 32N (zE-N)

Extent: Germany - onshore and offshore between 6°E and 12°E - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N_ZE_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10289')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N_ZE_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10289')
```

Variant of ETRS89/DREF91/2016 / UTM zone 32N (CRS code 10732) in which axis order is E,N and easting has zone prefix. Replaces ETRS89 / UTM zone 32N (zE-N) (code 4647) for cadastre and engineering survey. For Brandenburg west of 12°E use CRS code 10291.

ETRS89/DREF91/2016 / UTM zone 33N

Extent: Germany - onshore and offshore east of 12°E, together with that part of Brandenburg state west of 12°E - Bayern, Berlin, Brandenburg (all state), Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10733')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10733')
```

Replaces ETRS89 / UTM zone 33N (CRS code 25833) for cadastre and engineering survey in Germany.

ETRS89/DREF91/2016 / UTM zone 33N (N-zE)

Extent: Germany - onshore and offshore east of 12°E, together with that part of Brandenburg state west of 12°E - Bayern, Berlin, Brandenburg (all state), Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_N_ZE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10290')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_N_ZE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10290')
```

Variant of ETRS89/DREF91/2016 / UTM zone 33N (CRS code 10733) in which axis order is N,E and easting has zone prefix. Replaces ETRS89 / UTM zone 33N (N-zE) (code 5653) for cadastre and engineering survey.

ETRS89/DREF91/2016 / UTM zone 33N (zE-N)

Extent: Germany - onshore and offshore east of 12°E, together with that part of Brandenburg state west of 12°E - Bayern, Berlin, Brandenburg (all state), Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt, Thuringen

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_ZE_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10291')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_ZE_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10291')
```

Variant of ETRS89/DREF91/2016 / UTM zone 33N (CRS code 10733) in which axis order is E,N and easting has zone prefix. Replaces ETRS89 / UTM zone 33N (zE-N) (code 5650) for cadastre and engineering survey.

EWR2 Grid

Extent: United Kingdom (UK) - on or related to East West Rail (Phase 2) routes from Oxford to Bicester, Bletchley and Bedford, and from Claydon Junction to Aylesbury and Princes Risborough

```
Projected::fromSRID(Projected::EPSG_EWR2_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EWR2_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9766')
```

The CRS's definition through transformation ETRS89 to EWR2-IRF (1) (code 9764) and map projection EWR2-TM (code 9765) emulates the EWR2 Snake projection applied to ETRS89 as realized through OSNet 2009 CORS.

Egypt 1907 / Blue Belt

Extent: Egypt - east of 33°E - onshore plus offshore Gulf of Suez

```
Projected::fromSRID(Projected::EPSG_EGYPT_1907_BLUE_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EGYPT_1907_BLUE_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22991')
```

Also known as Egypt 1907 / Green Belt. Oil industry usually uses Egypt 1907 / Red Belt rather than this projected CRS.

Egypt 1907 / Extended Purple Belt

Extent: Egypt - west of 29°E; south of approximately 28°11'N

```
Projected::fromSRID(Projected::EPSG_EGYPT_1907_EXTENDED_PURPLE_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22994')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EGYPT_1907_EXTENDED_PURPLE_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22994')
```

Egypt 1907 / Purple Belt

Extent: Egypt - onshore west of 29°E and north of approximately 28°11'N

```
Projected::fromSRID(Projected::EPSG_EGYPT_1907_PURPLE_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22993')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EGYPT_1907_PURPLE_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22993')
```

Egypt 1907 / Red Belt

Extent: Egypt - onshore between 29°E and 33°E, offshore Mediterranean east of 29°E and offshore Gulf of Suez

```
Projected::fromSRID(Projected::EPSG_EGYPT_1907_RED_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EGYPT_1907_RED_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22992')
```

See also Egypt 1907 / Blue Belt for non oil industry usage in Sinai peninsula.

Egypt Gulf of Suez S-650 TL / Red Belt

Extent: Egypt - Gulf of Suez

```
Projected::fromSRID(Projected::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL_RED_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL_RED_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3355')
```

Differs from Egypt 1907 / Red Belt (CRS code 22992) by approximately 20m.

Estonian Coordinate System of 1992

Extent: Estonia - onshore

```
Projected::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1992)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3300')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1992)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3300')
```

EST97 / TM Baltic (CRS code 25884) used for medium and small scale applications. Replaced by Estonian Coordinate System of 1997 (code 3301).

Estonian Coordinate System of 1997

Extent: Estonia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1997)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3301')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1997)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3301')
```

Replaces Estonian Coordinate System of 1992 (code 3300). EST97 / TM Baltic (CRS code 25884) used for medium and small scale applications.

FD54 / Faroe Lambert

Extent: Faroe Islands - onshore

```
Projected::fromSRID(Projected::EPSG_FD54_FAROE_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3144')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FD54_FAROE_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3144')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west. Replaced by fk89 (CRS code 3173).

FD54 / UTM zone 29N

Extent: Faroe Islands - onshore

```
Projected::fromSRID(Projected::EPSG_FD54_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3374')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FD54_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3374')
```

Replaced by ED50 / UTM zone 29N in late 1970's.

FD58 / Iraq zone

Extent: Iran - Arwaz area and onshore Gulf coast west of 54°E, Lavan Island, offshore Balal field and South Pars blocks 2 and 3

```
Projected::fromSRID(Projected::EPSG_FD58_IRAQ_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3200')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FD58_IRAQ_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3200')
```

FEH2010 / Fehmarnbelt TM

Extent: Fehmarnbelt area of Denmark and Germany

```
Projected::fromSRID(Projected::EPSG_FEH2010_FEHMARNBELT_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5596')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FEH2010_FEHMARNBELT_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5596')
```

FNL22 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Inverness to Thurso and Wick

```
Projected::fromSRID(Projected::EPSG_FNL22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9977')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FNL22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9977')
```

Defined through transformation ETRS89 to FNL22-IRF (1) (code 9975) and map projection FNL22-TM (code 9976). Emulates the FNL22 Snake projection applied to ETRS89 as realized through OSNet 2009.

Fahud / UTM zone 39N

Extent: Oman - onshore west of 54°E

```
Projected::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23239')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23239')
```

Since 1993 replaced by PSD93 / UTM zone 39N projCRS (code 3439). Maximum differences to Fahud adjustment are 20 metres.

Fahud / UTM zone 40N

Extent: Oman - mainland onshore east of 54°E

```
Projected::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23240')
```

Since 1993 replaced by PSD93 / UTM zone 40N projCRS (code 3440). Maximum differences to Fahud adjustment are 20 metres.

Fatu Iva 72 / UTM zone 7S

Extent: French Polynesia - Marquesas Islands - Fatu Hiva

```
Projected::fromSRID(Projected::EPSG_FATU_IVA_72_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3303')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FATU_IVA_72_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3303')
```

Replaced by RGPF / UTM zone 7S, CRS code 3298.

Fiji 1956 / UTM zone 1S

Extent: Fiji - onshore east of 180° - Vanua Levu, Taveuni

```
Projected::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3142')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3142')
```

For topographic mapping, replaces Viti Levu / Viti Levu Grid (CRS code 3139) and Vanua Levu / Vanua Levu Grid (CRS code 3140). Replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Fiji 1956 / UTM zone 60S

Extent: Fiji - onshore west of 180° - Vanua Levu, Taveuni, Viti Levu and and immediately adjacent smaller islands of Yasawa and Kandavu groups

```
Projected::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_60S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3141')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_60S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3141')
```

For topographic mapping, replaces Vanua Levu / Vanua Levu Grid (CRS code 3140). Replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Fiji 1986 / Fiji Map Grid

Extent: Fiji - onshore. Includes Viti Levu, Vanua Levu, Taveuni, the Yasawa Group, the Kadavu Group, the Lau Islands and Rotuma Islands

```
Projected::fromSRID(Projected::EPSG_FIJI_1986_FIJI_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FIJI_1986_FIJI_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3460')
```

Replaces Viti Levu 1912 / Viti Levu Grid, Vanua Levu 1915 / Vanua Levu Grid, Fiji 1956 / UTM zone 60S and Fiji 1956 / UTM zone 1S (CRS codes 3139-42).

Fort Marigot / UTM zone 20N

Extent: Guadeloupe - onshore - St Martin and St Barthélemy islands

```
Projected::fromSRID(Projected::EPSG_FORT_MARIGOT_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2969')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FORT_MARIGOT_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2969')
```

Replaced by RRAF 1991 / UTM zone 20N (CRS code 4559).

GBK19 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Glasgow to Kilmarnock via Barrhead and the branch to East Kilbride

```
Projected::fromSRID(Projected::EPSG_GBK19_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GBK19_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9456')
```

The CRS's definition through transformation ETRS89 to GBK19-IRF (1) (code 9454) and map projection GBK19-TM (code 9455) emulates the GBK19 Snake projection applied to ETRS89 as realized through OSNet 2009 CORS.

GDA2020 / ALB2020

Extent: Australia - Western Australia - Albany area onshore below 190m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_ALB2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8013')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_ALB2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8013')
```

Replaces GDA94 / ALB94 (CRS code 10448).

GDA2020 / Australian Albers

Extent: Australia - Australian Capital Territory; New South Wales; Northern Territory; Queensland; South Australia; Tasmania; Western Australia; Victoria

```
Projected::fromSRID(Projected::EPSG_GDA2020_AUSTRALIAN_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9473')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_AUSTRALIAN_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9473')
```

GDA2020 / BCG2020

Extent: Australia - Western Australia - Busselton area onshore below 250m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_BCG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_BCG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8016')
```

Replaces GDA94 / BCG94 (CRS code 10451).

GDA2020 / BCSG2020

Extent: Australia - Brisbane and surrounding area. Also applicable in other local authorities in south-east Queensland (Gold Coast, Logan, Ipswich, Scenic Rim, Redland, Moreton Bay, Sunshine Coast, Noosa, eastern part of Gympie, eastern part of Fraser Coast) and north-east New South Wales (Tweed, Byron, Lismore, Kyogle, Ballina and Richmond Valley)

```
Projected::fromSRID(Projected::EPSG_GDA2020_BCSG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20047')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_BCSG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20047')
```

Adopted 2022-07-01, replacing GDA94 / BCSG02 (CRS code 3113).

GDA2020 / BIO2020

Extent: Australia - Western Australia - Barrow Island and Onslow area onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_BIO2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_BIO2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8014')
```

Replaces GDA94 / BIO94 (CRS code 10449).

GDA2020 / BRO2020

Extent: Australia - Western Australia - Broome area onshore below 130m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_BRO2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_BRO2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8015')
```

Replaces GDA94 / BRO94 (CRS code 10450).

GDA2020 / CARN2020

Extent: Australia - Western Australia - Carnarvon area onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_CARN2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_CARN2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8017')
```

Replaces GDA94 / CARN94 (CRS code 10452).

GDA2020 / CIG2020

Extent: Christmas Island - onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_CIG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8018')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_CIG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8018')
```

Replaces GDA94 / CIG94 (CRS code 6721). Usage restricted to areas below 290m above sea level.

GDA2020 / CKIG2020

Extent: Cocos (Keeling) Islands - onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_CKIG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8019')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_CKIG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8019')
```

Replaces GDA94 / CKIG94 (CRS code 6723).

GDA2020 / COL2020

Extent: Australia - Western Australia - Collie area between 50m and 310m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_COL2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8020')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_COL2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8020')
```

Replaces GDA94 / COL94 (CRS code 10453).

GDA2020 / ESP2020

Extent: Australia - Western Australia - Esperance area onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_ESP2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8021')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_ESP2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8021')
```

Replaces GDA94 / ESP94 (CRS code 10454).

GDA2020 / EXM2020

Extent: Australia - Western Australia - Exmouth area onshore below 160m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_EXM2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8022')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_EXM2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8022')
```

Replaces GDA94 / EXM94 (CRS code 10455).

GDA2020 / GA LCC

Extent: Australia - Australian Capital Territory; New South Wales; Northern Territory; Queensland; South Australia; Tasmania; Western Australia; Victoria

```
Projected::fromSRID(Projected::EPSG_GDA2020_GA_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7845')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_GA_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7845')
```

GDA2020 / GCG2020

Extent: Australia - Western Australia - Geraldton area onshore below 195m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_GCG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8023')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_GCG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8023')
```

Replaces GDA94 / GCG94 (CRS code 10456).

GDA2020 / GOLD2020

Extent: Australia - Western Australia - Kalgoorlie area

```
Projected::fromSRID(Projected::EPSG_GDA2020_GOLD2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8024')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_GOLD2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8024')
```

Replaces GDA94 / GOLD94 (CRS code 10457).

GDA2020 / JCG2020

Extent: Australia - Western Australia - Jurien Bay area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_JCG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8025')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_JCG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8025')
```

Replaces GDA94 / JCG94 (CRS code 10458).

GDA2020 / KALB2020

Extent: Australia - Western Australia - Kalbarri area onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_KALB2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8026')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_KALB2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8026')
```

Replaces GDA94 / KALB94 (CRS code 10459).

GDA2020 / KAR2020

Extent: Australia - Western Australia - Karratha area onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_KAR2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8027')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_KAR2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8027')
```

Replaces GDA94 / KAR94 (CRS code 10460).

GDA2020 / KUN2020

Extent: Australia - Western Australia - Kununurra area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_KUN2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_KUN2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8028')
```

Replaces GDA94 / KUN94 (CRS code 10461).

GDA2020 / LCG2020

Extent: Australia - Western Australia - Lancelin area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_LCG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8029')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_LCG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8029')
```

Replaces GDA94 / LCG94 (CRS code 10462).

GDA2020 / MGA zone 46

Extent: Cocos (Keeling) Islands - offshore west of 96°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7846')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7846')
```

GDA2020 / MGA zone 47

Extent: Cocos (Keeling) Islands - onshore and offshore east of 96°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7847')
```

GDA2020 / MGA zone 48

Extent: Australia - offshore west of 108°E. Christmas Island - onshore and offshore west of 108°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7848')
```

GDA2020 / MGA zone 49

Extent: Australia - onshore and offshore west of 114°E. Christmas Island - offshore east of 108°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7849')
```

GDA2020 / MGA zone 50

Extent: Australia - onshore and offshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7850')
```

GDA2020 / MGA zone 51

Extent: Australia - onshore and offshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7851')
```

GDA2020 / MGA zone 52

Extent: Australia - onshore and offshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7852')
```

GDA2020 / MGA zone 53

Extent: Australia - onshore and offshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7853')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7853')
```

GDA2020 / MGA zone 54

Extent: Australia - onshore and offshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7854')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7854')
```

GDA2020 / MGA zone 55

Extent: Australia - onshore and offshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7855')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7855')
```

GDA2020 / MGA zone 56

Extent: Australia - onshore and offshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7856')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7856')
```

GDA2020 / MGA zone 57

Extent: Australia including Lord Howe Island and Macquarie Island - onshore and offshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7857')
```

GDA2020 / MGA zone 58

Extent: Australia - offshore east of 162°E. Norfolk Island - onshore and offshore west of 168°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7858')
```

GDA2020 / MGA zone 59

Extent: Norfolk Island - offshore east of 168°E

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_59)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7859')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_59)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7859')
```

GDA2020 / MRCG2020

Extent: Australia - Western Australia - Margaret River area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_MRCG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_MRCG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8030')
```

Replaces GDA94 / MRCG94 (CRS code 10463).

GDA2020 / NSW Lambert

Extent: Australia - New South Wales

```
Projected::fromSRID(Projected::EPSG_GDA2020_NSW_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_NSW_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8058')
```

GDA2020 / PCG2020

Extent: Australia - Western Australia - Perth area onshore below 165m AHD

```
Projected::fromSRID(Projected::EPSG_GDA2020_PCG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_PCG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8031')
```

Replaces GDA94 / PCG94 (CRS code 10464).

GDA2020 / PHG2020

Extent: Australia - Western Australia - Port Hedland area onshore

```
Projected::fromSRID(Projected::EPSG_GDA2020_PHG2020)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_PHG2020)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8032')
```

Replaces GDA94 / PHG94 (CRS code 10465).

GDA2020 / SA Lambert

Extent: Australia - South Australia

```
Projected::fromSRID(Projected::EPSG_GDA2020_SA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8059')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_SA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8059')
```

GDA2020 / Vicgrid

Extent: Australia - Victoria

```
Projected::fromSRID(Projected::EPSG_GDA2020_VICGRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7899')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA2020_VICGRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7899')
```

May also be used to display Victoria, New South Wales, Tasmania and South Australia as a single entity.

GDA94 / ALB94

Extent: Australia - Western Australia - Albany area onshore below 190m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_ALB94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10448')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_ALB94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10448')
```

Replaced by GDA2020 / ALB2020 (CRS code 8013).

GDA94 / Australian Albers

Extent: Australia - Australian Capital Territory; New South Wales; Northern Territory; Queensland; South Australia; Tasmania; Western Australia; Victoria

```
Projected::fromSRID(Projected::EPSG_GDA94_AUSTRALIAN_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3577')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_AUSTRALIAN_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3577')
```

GDA94 / BCG94

Extent: Australia - Western Australia - Busselton area onshore below 250m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_BCG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10451')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_BCG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10451')
```

Replaced by GDA2020 / BCG2020 (CRS code 8016).

GDA94 / BCSG02

Extent: Australia - Brisbane and surrounding area. Also applicable in other local authorities in south-east Queensland (Gold Coast, Logan, Ipswich, Scenic Rim, Redland, Moreton Bay, Sunshine Coast, Noosa, eastern part of Gympie, eastern part of Fraser Coast) and north-east New South Wales (Tweed, Byron, Lismore, Kyogle, Ballina and Richmond Valley)

```
Projected::fromSRID(Projected::EPSG_GDA94_BCSG02)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_BCSG02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3113')
```

Replaced by GDA2020 / BCSG2020 (CRS code 20047) from 2022-07-01.

GDA94 / BIO94

Extent: Australia - Western Australia - Barrow Island and Onslow area onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_BIO94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10449')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_BIO94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10449')
```

Replaced by GDA2020 / BIO2020 (CRS code 8014).

GDA94 / BRO94

Extent: Australia - Western Australia - Broome area onshore below 130m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_BRO94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10450')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_BRO94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10450')
```

Replaced by GDA2020 / BRO2020 (CRS code 8015).

GDA94 / CARN94

Extent: Australia - Western Australia - Carnarvon area onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_CARN94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10452')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_CARN94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10452')
```

Replaced by GDA2020 / CARN2020 (CRS code 8017).

GDA94 / CIG94

Extent: Christmas Island - onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_CIG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6721')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_CIG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6721')
```

Usage restricted to areas below 290m above sea level. Replaces CIG85 and WGS 84 / CIG92 (CRS codes 6715 and 6721). Replaced by GDA2020 / CIG2020 (CRS code 8018).

GDA94 / CKIG94

Extent: Cocos (Keeling) Islands - onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_CKIG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6723')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_CKIG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6723')
```

Replaces WGS 84 / CKIG92 (CRS code 6722). Replaced by GDA2020 / CKIG2020 (CRS code 8019).

GDA94 / COL94

Extent: Australia - Western Australia - Collie area between 50m and 310m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_COL94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10453')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_COL94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10453')
```

Replaced by GDA2020 / COL2020 (CRS code 8020).

GDA94 / ESP94

Extent: Australia - Western Australia - Esperance area onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_ESP94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10454')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_ESP94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10454')
```

Replaced by GDA2020 / ESP2020 (CRS code 8021).

GDA94 / EXM94

Extent: Australia - Western Australia - Exmouth area onshore below 160m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_EXM94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_EXM94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10455')
```

Replaced by GDA2020 / EXM2020 (CRS code 8022).

GDA94 / GCG94

Extent: Australia - Western Australia - Geraldton area onshore below 195m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_GCG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_GCG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10456')
```

Replaced by GDA2020 / GCG2020 (CRS code 8023).

GDA94 / GOLD94

Extent: Australia - Western Australia - Kalgoorlie area

```
Projected::fromSRID(Projected::EPSG_GDA94_GOLD94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_GOLD94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10457')
```

Replaced by GDA2020 / GOLD2020 (CRS code 8024).

GDA94 / Geoscience Australia Lambert

Extent: Australia - Australian Capital Territory; New South Wales; Northern Territory; Queensland; South Australia; Tasmania; Western Australia; Victoria

```
Projected::fromSRID(Projected::EPSG_GDA94_GEOSCIENCE_AUSTRALIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_GEOSCIENCE_AUSTRALIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3112')
```

See also WGS 84 / ACRESLC (CRS code 4462).

GDA94 / JCG94

Extent: Australia - Western Australia - Jurien Bay area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_JCG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10458')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_JCG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10458')
```

Replaced by GDA2020 / JCG2020 (CRS code 8025).

GDA94 / KALB94

Extent: Australia - Western Australia - Kalbarri area onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_KALB94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_KALB94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10459')
```

Replaced by GDA2020 / KALB2020 (CRS code 8026).

GDA94 / KAR94

Extent: Australia - Western Australia - Karratha area onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_KAR94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_KAR94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10460')
```

Replaced by GDA2020 / KAR2020 (CRS code 8027).

GDA94 / KUN94

Extent: Australia - Western Australia - Kununurra area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_KUN94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10461')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_KUN94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10461')
```

Replaced by GDA2020 / KUN2020 (CRS code 8028).

GDA94 / LCG94

Extent: Australia - Western Australia - Lancelin area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_LCG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_LCG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10462')
```

Replaced by GDA2020 / LCG2020 (CRS code 8029).

GDA94 / MGA zone 46

Extent: Cocos (Keeling) Islands - offshore west of 96°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6736')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6736')
```

GDA94 / MGA zone 47

Extent: Cocos (Keeling) Islands - onshore and offshore east of 96°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6737')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6737')
```

GDA94 / MGA zone 48

Extent: Australia - offshore west of 108°E. Christmas Island - onshore and offshore west of 108°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28348')
```

Note: For Dataset releases from 2012-01 to 2014-02 (v7.9.4 to v8.3.3) status of this record status was shown as deprecated as area is outside the EEZ. Reinstated to valid after ratification of extensions of limit of Australian continental shelf.

GDA94 / MGA zone 49

Extent: Australia - onshore and offshore west of 114°E. Christmas Island - offshore east of 108°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28349')
```

GDA94 / MGA zone 50

Extent: Australia - onshore and offshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28350')
```

GDA94 / MGA zone 51

Extent: Australia - onshore and offshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28351')
```

GDA94 / MGA zone 52

Extent: Australia - onshore and offshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28352')
```

GDA94 / MGA zone 53

Extent: Australia - onshore and offshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28353')
```

GDA94 / MGA zone 54

Extent: Australia - onshore and offshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28354')
```

GDA94 / MGA zone 55

Extent: Australia - onshore and offshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28355')
```

GDA94 / MGA zone 56

Extent: Australia - onshore and offshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28356')
```

GDA94 / MGA zone 57

Extent: Australia including Lord Howe Island and Macquarie Island - onshore and offshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28357')
```

GDA94 / MGA zone 58

Extent: Australia - offshore east of 162°E. Norfolk Island - onshore and offshore west of 168°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28358')
```

GDA94 / MGA zone 59

Extent: Norfolk Island - offshore east of 168°E

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_59)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6738')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_59)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6738')
```

GDA94 / MRCG94

Extent: Australia - Western Australia - Margaret River area onshore below 200m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_MRCG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_MRCG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10463')
```

Replaced by GDA2020 / MRCG2020 (CRS code 8030).

GDA94 / NSW Lambert

Extent: Australia - New South Wales

```
Projected::fromSRID(Projected::EPSG_GDA94_NSW_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_NSW_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3308')
```

GDA94 / PCG94

Extent: Australia - Western Australia - Perth area onshore below 165m AHD

```
Projected::fromSRID(Projected::EPSG_GDA94_PCG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10464')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_PCG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10464')
```

Replaced by GDA2020 / PCG2020 (CRS code 8031).

GDA94 / PHG94

Extent: Australia - Western Australia - Port Hedland area onshore

```
Projected::fromSRID(Projected::EPSG_GDA94_PHG94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10465')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_PHG94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10465')
```

Replaced by GDA2020 / PHG2020 (CRS code 8032).

GDA94 / SA Lambert

Extent: Australia - South Australia

```
Projected::fromSRID(Projected::EPSG_GDA94_SA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3107')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_SA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3107')
```

GDA94 / Vicgrid

Extent: Australia - Victoria

```
Projected::fromSRID(Projected::EPSG_GDA94_VICGRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_VICGRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3111')
```

May also be used to display Victoria, New South Wales, Tasmania and South Australia as a single entity. Replaces Vicgrid66 (CRS code 3110) with effect from 2nd February 2000.

GDA94 / WEIPA94

Extent: Australia - Queensland - Weipa area between 141°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_GDA94_WEIPA94)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDA94_WEIPA94)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8391')
```

GDBD2009 / Brunei BRSO

Extent: Brunei Darussalam - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_GDBD2009_BRUNEI_BRSO)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDBD2009_BRUNEI_BRSO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5247')
```

Replaces Timbalai 1948 / RSO Borneo (CRS codes 29871 and 29873).

GDM2000 / East Malaysia BRSO

Extent: Malaysia - East Malaysia (Sabah; Sarawak), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_GDM2000_EAST_MALAYSIA_BRSO)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3376')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_EAST_MALAYSIA_BRSO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3376')
```

Replaces Timbalai 1948 / RSO Borneo (CRS codes 29871-73).

GDM2000 / Johor Grid

Extent: Malaysia - West Malaysia - Johor

```
Projected::fromSRID(Projected::EPSG_GDM2000_JOHOR_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3377')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_JOHOR_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3377')
```

Replaces Kertau 1968 / Johor Grid (CRS code 4390).

GDM2000 / Kedah and Perlis Grid

Extent: Malaysia - West Malaysia - Kedah and Perlis

```
Projected::fromSRID(Projected::EPSG_GDM2000_KEDAH_AND_PERLIS_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_KEDAH_AND_PERLIS_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3383')
```

Replaces Kertau 1968 / Kedah and Perlis Grid (CRS code 4396).

GDM2000 / Kelantan Grid

Extent: Malaysia - West Malaysia - Kelantan

```
Projected::fromSRID(Projected::EPSG_GDM2000_KELANTAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3385')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_KELANTAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3385')
```

Replaces Kertau 1968 / Kelantan Grid (CRS code 4398).

GDM2000 / Pahang Grid

Extent: Malaysia - West Malaysia - Pahang

```
Projected::fromSRID(Projected::EPSG_GDM2000_PAHANG_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3379')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_PAHANG_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3379')
```

Replaces Kertau 1968 / Pahang Grid (CRS code 4392).

GDM2000 / Peninsula RSO

Extent: Malaysia - West Malaysia onshore and offshore

```
Projected::fromSRID(Projected::EPSG_GDM2000_PENINSULA_RSO)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3375')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_PENINSULA_RSO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3375')
```

Replaces Kertau (RSO) / RSO Malaya (CRS codes 3167-68).

GDM2000 / Perak Grid

Extent: Malaysia - West Malaysia - Perak

```
Projected::fromSRID(Projected::EPSG_GDM2000_PERAK_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3384')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_PERAK_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3384')
```

Replaces Kertau 1968 / Perak Revised Grid (CRS code 4397).

GDM2000 / Pinang Grid

Extent: Malaysia - West Malaysia - Pulau Pinang - Pinang (Penang) Island and Seberang Perai (Province Wellesley)

```
Projected::fromSRID(Projected::EPSG_GDM2000_PINANG_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3382')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_PINANG_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3382')
```

Replaces Kertau 1968 / Pinang Grid (CRS code 4395).

GDM2000 / Selangor Grid

Extent: Malaysia - West Malaysia - Selangor

```
Projected::fromSRID(Projected::EPSG_GDM2000_SELANGOR_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3380')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_SELANGOR_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3380')
```

Replaces Kertau 1968 / Selangor Grid (CRS code 4393).

GDM2000 / Sembilan and Melaka Grid

Extent: Malaysia - West Malaysia - Negeri Sembilan and Melaka

```
Projected::fromSRID(Projected::EPSG_GDM2000_SEMBILAN_AND_MELAKA_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3378')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_SEMBILAN_AND_MELAKA_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3378')
```

Replaces Kertau 1968 / Sembilan and Melaka Grid (CRS code 4391).

GDM2000 / Terengganu Grid

Extent: Malaysia - West Malaysia - Terengganu

```
Projected::fromSRID(Projected::EPSG_GDM2000_TERENGGANU_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3381')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GDM2000_TERENGGANU_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3381')
```

Replaces Kertau 1968 / Terengganu Grid (CRS code 4394).

GGRS87 / Greek Grid

Extent: Greece - onshore

```
Projected::fromSRID(Projected::EPSG_GGRS87_GREEK_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2100')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GGRS87_GREEK_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2100')
```

Oil industry uses ED50 / UTM zone 34N and ED50 / UTM zone 35N.

GR96 / EPSG Arctic zone 1-25

Extent: Arctic - between 87°50'N and 82°50'N, approximately 60°W to approximately 0°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_1_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6050')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_1_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6050')
```

GR96 / EPSG Arctic zone 2-18

Extent: Arctic - between 84°30'N and 79°30'N, approximately 72°W to approximately 32°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6051')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6051')
```

GR96 / EPSG Arctic zone 2-20

Extent: Arctic - between 84°30'N and 79°30'N, approximately 32°W to approximately 8°E. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6052')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6052')
```

GR96 / EPSG Arctic zone 3-29

Extent: Arctic - between 81°10'N and 76°10'N, Greenland west of approximately 54°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6053')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6053')
```

GR96 / EPSG Arctic zone 3-31

Extent: Arctic - between 81°10'N and 76°10'N, approximately 54°W to approximately 24°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6054')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6054')
```

GR96 / EPSG Arctic zone 3-33

Extent: Arctic - between 81°10'N and 76°10'N, approximately 24°W to approximately 2°E. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6055')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6055')
```

GR96 / EPSG Arctic zone 4-20

Extent: Arctic - between 77°50'N and 72°50'N, approximately 76°W to approximately 51°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6056')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6056')
```

GR96 / EPSG Arctic zone 4-22

Extent: Arctic - between 77°50'N and 72°50'N, approximately 51°W to approximately 26°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6057')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6057')
```

GR96 / EPSG Arctic zone 4-24

Extent: Arctic - between 77°50'N and 72°50'N, approximately 26°W to approximately 2°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6058')
```

GR96 / EPSG Arctic zone 5-41

Extent: Arctic - between 74°30'N and 69°30'N, approximately 72°W to approximately 52°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6059')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6059')
```

GR96 / EPSG Arctic zone 5-43

Extent: Arctic - between 74°30'N and 69°30'N, approximately 52°W to approximately 32°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6060')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6060')
```

GR96 / EPSG Arctic zone 5-45

Extent: Arctic - between 74°30'N and 69°30'N, approximately 32°W to approximately 12°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6061')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6061')
```

GR96 / EPSG Arctic zone 6-26

Extent: Arctic - between 71°10'N and 66°10'N, approximately 65°W to approximately 47°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6062')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6062')
```

GR96 / EPSG Arctic zone 6-28

Extent: Arctic - between 71°10'N and 66°10'N, approximately 47°W to approximately 29°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6063')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6063')
```

GR96 / EPSG Arctic zone 6-30

Extent: Arctic - between 71°10'N and 66°10'N, approximately 29°W to approximately 11°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6064')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6064')
```

GR96 / EPSG Arctic zone 7-11

Extent: Arctic - between 67°50'N and 62°50'N, approximately 59°W to approximately 42°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6065')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6065')
```

GR96 / EPSG Arctic zone 7-13

Extent: Arctic - between 67°50'N and 62°50'N, approximately 42°W to approximately 25°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6066')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6066')
```

GR96 / EPSG Arctic zone 8-20

Extent: Arctic - between 64°30'N and 59°30'N, approximately 59°W to approximately 44°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6067')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6067')
```

GR96 / EPSG Arctic zone 8-22

Extent: Arctic - between 64°30'N and 59°30'N, approximately 44°W to approximately 29°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6068')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6068')
```

GR96 / UTM zone 18N

Extent: Greenland - west of 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3178')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3178')
```

GR96 / UTM zone 19N

Extent: Greenland - between 72°W and 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3179')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3179')
```

GR96 / UTM zone 20N

Extent: Greenland - between 66°W and 60°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3180')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3180')
```

GR96 / UTM zone 21N

Extent: Greenland - between 60°W and 54°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3181')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3181')
```

GR96 / UTM zone 22N

Extent: Greenland - between 54°W and 48°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3182')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3182')
```

GR96 / UTM zone 23N

Extent: Greenland - between 48°W and 42°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3183')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3183')
```

GR96 / UTM zone 24N

Extent: Greenland - between 42°W and 36°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3184')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3184')
```

GR96 / UTM zone 25N

Extent: Greenland - between 36°W and 30°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_25N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3185')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_25N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3185')
```

GR96 / UTM zone 26N

Extent: Greenland - between 30°W and 24°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3186')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3186')
```

GR96 / UTM zone 27N

Extent: Greenland - between 24°W and 18°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3187')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3187')
```

GR96 / UTM zone 28N

Extent: Greenland - between 18°W and 12°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3188')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3188')
```

GR96 / UTM zone 29N

Extent: Greenland - 12°W to 6°W, onshore and offshore south of 84°N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3189')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GR96_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3189')
```

GS reconstruction east-orientated

Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland

```
Projected::fromSRID(Projected::EPSG_GS_RECONSTRUCTION_EAST_ORIENTATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GS_RECONSTRUCTION_EAST_ORIENTATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10258')
```

Reconstruction emulating the historic Generalstabens System CRS but with axis direction flip: W (GS) = E (GS e-o) * -1, N (GS) = N (GS e-o). Reconstructed through CT ETRS89 to GS-IRF (1) with map projection GS LCC (codes 10259 and 10257).

GSB reconstruction east-orientated

Extent: Denmark - Bornholm onshore

```
Projected::fromSRID(Projected::EPSG_GSB_RECONSTRUCTION_EAST_ORIENTATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSB_RECONSTRUCTION_EAST_ORIENTATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10262')
```

Reconstruction through CT ETRS89 to GSB-IRF (1) and projection GSB-reconstruction (codes 10263 and 10261) to emulate the historic Generalstabens System LCC projCRS but with axis direction flip: W (GSB) = E (GSB e-o) * -1, N (GSB) = N (GSB e-o).

GSK-2011 / GSK 3GK CM 102E

Extent: Russian Federation - onshore between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21334')
```

Truncated form of GSK-2011 / GSK 3GK zone 34 (code 21234). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 105E

Extent: Russian Federation - onshore between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21335')
```

Truncated form of GSK-2011 / GSK 3GK zone 35 (code 21235). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 108E

Extent: Russian Federation - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21336')
```

Truncated form of GSK-2011 / GSK 3GK zone 36 (code 21226). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 111E

Extent: Russian Federation - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21337')
```

Truncated form of GSK-2011 / GSK 3GK zone 37 (code 21237). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 114E

Extent: Russian Federation - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21338')
```

Truncated form of GSK-2011 / GSK 3GK zone 38 (code 21238). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 117E

Extent: Russian Federation - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21339')
```

Truncated form of GSK-2011 / GSK 3GK zone 39 (code 21239). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 120E

Extent: Russian Federation - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21340')
```

Truncated form of GSK-2011 / GSK 3GK zone 40 (code 21240). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 123E

Extent: Russian Federation - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21341')
```

Truncated form of GSK-2011 / GSK 3GK zone 41 (code 21241). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 126E

Extent: Russian Federation - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21342')
```

Truncated form of GSK-2011 / GSK 3GK zone 42 (code 21242). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 129E

Extent: Russian Federation - onshore between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21343')
```

Truncated form of GSK-2011 / GSK 3GK zone 43 (code 21243). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 132E

Extent: Russian Federation - onshore between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21344')
```

Truncated form of GSK-2011 / GSK 3GK zone 44 (code 21244). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 135E

Extent: Russian Federation - onshore between 133°30'E and 136°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21345')
```

Truncated form of GSK-2011 / GSK 3GK zone 45 (code 21245). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 138E

Extent: Russian Federation - onshore between 136°30'E and 139°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_138E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_138E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21346')
```

Truncated form of GSK-2011 / GSK 3GK zone 46 (code 21246). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 141E

Extent: Russian Federation - onshore between 139°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_141E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_141E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21347')
```

Truncated form of GSK-2011 / GSK 3GK zone 47 (code 21247). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 144E

Extent: Russian Federation - onshore between 142°30'E and 145°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_144E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_144E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21348')
```

Truncated form of GSK-2011 / GSK 3GK zone 48 (code 21248). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 147E

Extent: Russian Federation - onshore between 145°30'E and 148°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_147E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_147E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21349')
```

Truncated form of GSK-2011 / GSK 3GK zone 49 (code 21249). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 150E

Extent: Russian Federation - onshore between 148°30'E and 151°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_150E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_150E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21350')
```

Truncated form of GSK-2011 / GSK 3GK zone 50 (code 21250). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 153E

Extent: Russian Federation - onshore between 151°30'E and 154°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_153E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_153E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21351')
```

Truncated form of GSK-2011 / GSK 3GK zone 51 (code 21251). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 156E

Extent: Russian Federation - onshore between 154°30'E and 157°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_156E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_156E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21352')
```

Truncated form of GSK-2011 / GSK 3GK zone 52 (code 21252). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 159E

Extent: Russian Federation - onshore between 157°30'E and 160°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_159E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_159E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21353')
```

Truncated form of GSK-2011 / GSK 3GK zone 53 (code 21253). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 162E

Extent: Russian Federation - onshore between 160°30'E and 163°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_162E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_162E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21354')
```

Truncated form of GSK-2011 / GSK 3GK zone 54 (code 21254). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 165E

Extent: Russian Federation - onshore between 163°30'E and 166°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_165E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_165E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21355')
```

Truncated form of GSK-2011 / GSK 3GK zone 55 (code 21255). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 168E

Extent: Russian Federation - onshore between 166°30'E and 169°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_168E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_168E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21356')
```

Truncated form of GSK-2011 / GSK 3GK zone 56 (code 21256). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 168W

Extent: Russian Federation - onshore between 169°30'W and 166°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_168W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21364')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_168W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21364')
```

Truncated form of GSK-2011 / GSK 3GK zone 64 (code 21264). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 171E

Extent: Russian Federation - onshore between 169°30'E and 172°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_171E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_171E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21357')
```

Truncated form of GSK-2011 / GSK 3GK zone 57 (code 21257). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 171W

Extent: Russian Federation - onshore between 172°30'W and 169°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_171W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21363')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_171W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21363')
```

Truncated form of GSK-2011 / GSK 3GK zone 63 (code 21263). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 174E

Extent: Russian Federation - onshore between 172°30'E and 175°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_174E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_174E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21358')
```

Truncated form of GSK-2011 / GSK 3GK zone 58 (code 21258). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 174W

Extent: Russian Federation - onshore between 175°30'W and 172°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_174W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21362')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_174W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21362')
```

Truncated form of GSK-2011 / GSK 3GK zone 62 (code 21262). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 177E

Extent: Russian Federation - onshore between 175°30'E and 178°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_177E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21359')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_177E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21359')
```

Truncated form of GSK-2011 / GSK 3GK zone 59 (code 21259). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 177W

Extent: Russian Federation - onshore between 178°30'W and 175°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_177W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21361')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_177W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21361')
```

Truncated form of GSK-2011 / GSK 3GK zone 61 (code 21261). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 180E

Extent: Russian Federation - onshore between 178°30'E and 178°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_180E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21360')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_180E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21360')
```

Truncated form of GSK-2011 / GSK 3GK zone 60 (code 21260). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 21E

Extent: Russian Federation - Kaliningrad - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21307')
```

Truncated form of GSK-2011 / GSK 3GK zone 7 (code 21207). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 24E

Extent: Russian Federation - onshore between 22°30'E and 25°30'E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_24E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_24E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21308')
```

Truncated form of GSK-2011 / GSK 3GK zone 8 (code 21208). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 27E

Extent: Russian Federation - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21309')
```

Truncated form of GSK-2011 / GSK 3GK zone 9 (code 21209). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 30E

Extent: Russian Federation - onshore between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_30E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_30E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21310')
```

Truncated form of GSK-2011 / GSK 3GK zone 10 (code 21210). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 33E

Extent: Russian Federation - onshore between 31°30'E and 34°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21311')
```

Truncated form of GSK-2011 / GSK 3GK zone 11 (code 21211). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 36E

Extent: Russian Federation - onshore between 34°30'E and 37°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_36E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_36E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21312')
```

Truncated form of GSK-2011 / GSK 3GK zone 12 (code 21212). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 39E

Extent: Russian Federation - onshore between 37°30'E and 40°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21313')
```

Truncated form of GSK-2011 / GSK 3GK zone 13 (code 21213). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 42E

Extent: Russian Federation - onshore between 40°30'E and 43°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_42E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_42E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21314')
```

Truncated form of GSK-2011 / GSK 3GK zone 14 (code 21214). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 45E

Extent: Russian Federation - onshore between 43°30'E and 46°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_45E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_45E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21315')
```

Truncated form of GSK-2011 / GSK 3GK zone 15 (code 21215). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 48E

Extent: Russian Federation - onshore between 46°30'E and 49°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_48E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_48E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21316')
```

Truncated form of GSK-2011 / GSK 3GK zone 16 (code 21216). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 51E

Extent: Russian Federation - onshore between 49°30'E and 52°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_51E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_51E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21317')
```

Truncated form of GSK-2011 / GSK 3GK zone 17 (code 21217). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 54E

Extent: Russian Federation - onshore between 52°30'E and 55°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_54E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_54E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21318')
```

Truncated form of GSK-2011 / GSK 3GK zone 18 (code 21218). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 57E

Extent: Russian Federation - onshore between 55°30'E and 58°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_57E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_57E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21319')
```

Truncated form of GSK-2011 / GSK 3GK zone 19 (code 21219). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 60E

Extent: Russian Federation - onshore between 58°30'E and 61°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_60E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_60E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21320')
```

Truncated form of GSK-2011 / GSK 3GK zone 20 (code 21220). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 63E

Extent: Russian Federation - onshore between 61°30'E and 64°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_63E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_63E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21321')
```

Truncated form of GSK-2011 / GSK 3GK zone 21 (code 21221). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 66E

Extent: Russian Federation - onshore between 64°30'E and 67°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_66E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_66E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21322')
```

Truncated form of GSK-2011 / GSK 3GK zone 22 (code 21222). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 69E

Extent: Russian Federation - onshore between 67°30'E and 70°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_69E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_69E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21323')
```

Truncated form of GSK-2011 / GSK 3GK zone 23 (code 21223). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 72E

Extent: Russian Federation - onshore between 70°30'E and 73°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_72E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_72E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21324')
```

Truncated form of GSK-2011 / GSK 3GK zone 24 (code 21224). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 75E

Extent: Russian Federation - onshore between 73°30'E and 76°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21325')
```

Truncated form of GSK-2011 / GSK 3GK zone 25 (code 21225). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 78E

Extent: Russian Federation - onshore between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21326')
```

Truncated form of GSK-2011 / GSK 3GK zone 26 (code 21226). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 81E

Extent: Russian Federation - onshore between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21327')
```

Truncated form of GSK-2011 / GSK 3GK zone 27 (code 21227). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 84E

Extent: Russian Federation - onshore between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21328')
```

Truncated form of GSK-2011 / GSK 3GK zone 28 (code 21228). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 87E

Extent: Russian Federation - onshore between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21329')
```

Truncated form of GSK-2011 / GSK 3GK zone 29 (code 21229). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 90E

Extent: Russian Federation - onshore between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21330')
```

Truncated form of GSK-2011 / GSK 3GK zone 30 (code 21230). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 93E

Extent: Russian Federation - onshore between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21331')
```

Truncated form of GSK-2011 / GSK 3GK zone 31 (code 21231). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 96E

Extent: Russian Federation - onshore between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21332')
```

Truncated form of GSK-2011 / GSK 3GK zone 32 (code 21232). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK CM 99E

Extent: Russian Federation - onshore between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21333')
```

Truncated form of GSK-2011 / GSK 3GK zone 33 (code 21233). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 10

Extent: Russian Federation - onshore between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21210')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 30E (code 21310). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 11

Extent: Russian Federation - onshore between 31°30'E and 34°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21211')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 33E (code 21311). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 12

Extent: Russian Federation - onshore between 34°30'E and 37°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21212')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 36E (code 21312). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 13

Extent: Russian Federation - onshore between 37°30'E and 40°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21213')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 39E (code 21313). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 14

Extent: Russian Federation - onshore between 40°30'E and 43°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21214')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 42E (code 21314). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 15

Extent: Russian Federation - onshore between 43°30'E and 46°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21215')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 45E (code 21315). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 16

Extent: Russian Federation - onshore between 46°30'E and 49°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21216')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 48E (code 21316). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 17

Extent: Russian Federation - onshore between 49°30'E and 52°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21217')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 51E (code 21317). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 18

Extent: Russian Federation - onshore between 52°30'E and 55°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21218')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 54E (code 21318). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 19

Extent: Russian Federation - onshore between 55°30'E and 58°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21219')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21219')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 57E (code 21319). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 20

Extent: Russian Federation - onshore between 58°30'E and 61°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21220')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 60E (code 21320). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 21

Extent: Russian Federation - onshore between 61°30'E and 64°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21221')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 63E (code 21321). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 22

Extent: Russian Federation - onshore between 64°30'E and 67°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21222')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 66E (code 21322). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 23

Extent: Russian Federation - onshore between 67°30'E and 70°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21223')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21223')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 69E (code 21323). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 24

Extent: Russian Federation - onshore between 70°30'E and 73°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21224')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 72E (code 21324). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 25

Extent: Russian Federation - onshore between 73°30'E and 76°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21225')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 75E (code 21325). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 26

Extent: Russian Federation - onshore between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21226')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21226')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 78E (code 21326). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 27

Extent: Russian Federation - onshore between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21227')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21227')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 81E (code 21327). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 28

Extent: Russian Federation - onshore between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21228')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21228')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 84E (code 21328). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 29

Extent: Russian Federation - onshore between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21229')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21229')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 87E (code 21329). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 30

Extent: Russian Federation - onshore between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21230')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21230')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 90E (code 21330). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 31

Extent: Russian Federation - onshore between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21231')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 93E (code 21331). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 32

Extent: Russian Federation - onshore between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21232')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 96E (code 21332). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 33

Extent: Russian Federation - onshore between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21233')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21233')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 99E (code 21333). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 34

Extent: Russian Federation - onshore between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21234')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21234')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 102E (code 21334). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 35

Extent: Russian Federation - onshore between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21235')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 105E (code 21335). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 36

Extent: Russian Federation - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21236')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21236')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 108E (code 21336). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 37

Extent: Russian Federation - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21237')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21237')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 111E (code 21337). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 38

Extent: Russian Federation - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21238')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21238')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 114E (code 21338). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 39

Extent: Russian Federation - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21239')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21239')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 117E (code 21339). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 40

Extent: Russian Federation - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21240')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 120E (code 21340). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 41

Extent: Russian Federation - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21241')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21241')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 123E (code 21341). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 42

Extent: Russian Federation - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21242')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21242')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 126E (code 21342). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 43

Extent: Russian Federation - onshore between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21243')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21243')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 129E (code 21343). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 44

Extent: Russian Federation - onshore between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21244')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21244')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 132E (code 21344). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 45

Extent: Russian Federation - onshore between 133°30'E and 136°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21245')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21245')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 135E (code 21345). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 46

Extent: Russian Federation - onshore between 136°30'E and 139°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21246')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21246')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 138E (code 21346). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 47

Extent: Russian Federation - onshore between 139°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21247')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 141E (code 21347). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 48

Extent: Russian Federation - onshore between 142°30'E and 145°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21248')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21248')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 144E (code 21348). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 49

Extent: Russian Federation - onshore between 145°30'E and 148°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21249')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 147E (code 21349). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 50

Extent: Russian Federation - onshore between 148°30'E and 151°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21250')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 150E (code 21350). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 51

Extent: Russian Federation - onshore between 151°30'E and 154°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21251')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 153E (code 21351). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 52

Extent: Russian Federation - onshore between 154°30'E and 157°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21252')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 156E (code 21352). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 53

Extent: Russian Federation - onshore between 157°30'E and 160°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21253')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 159E (code 21353). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 54

Extent: Russian Federation - onshore between 160°30'E and 163°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21254')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 162E (code 21354). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 55

Extent: Russian Federation - onshore between 163°30'E and 166°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21255')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 165E (code 21355). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 56

Extent: Russian Federation - onshore between 166°30'E and 169°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21256')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 168E (code 21356). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 57

Extent: Russian Federation - onshore between 169°30'E and 172°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21257')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 171E (code 21357). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 58

Extent: Russian Federation - onshore between 172°30'E and 175°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21258')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 174E (code 21358). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 59

Extent: Russian Federation - onshore between 175°30'E and 178°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_59)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_59)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21259')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 177E (code 21359). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 60

Extent: Russian Federation - onshore between 178°30'E and 178°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21260')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 180E (code 21360). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 61

Extent: Russian Federation - onshore between 178°30'W and 175°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_61)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21261')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_61)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21261')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 177W (code 21361). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 62

Extent: Russian Federation - onshore between 175°30'W and 172°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_62)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_62)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21262')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 174W (code 21362). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 63

Extent: Russian Federation - onshore between 172°30'W and 169°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_63)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21263')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_63)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21263')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 171W (code 21363). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 64

Extent: Russian Federation - onshore between 169°30'W and 166°30'W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_64)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21264')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_64)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21264')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 168W (code 21364). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 7

Extent: Russian Federation - Kaliningrad - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21207')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 21E (code 21307). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 8

Extent: Russian Federation - onshore between 22°30'E and 25°30'E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21208')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 24E (code 21308). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / GSK 3GK zone 9

Extent: Russian Federation - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21209')
```

Also found with truncated false easting - see GSK-2011 / GSK 3GK CM 27E (code 21309). Replaces Pulkovo-based CRSs from 2021-01-01.

GSK-2011 / Gauss-Kruger CM 105E

Extent: Russian Federation - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21018')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21018')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 18 (code 20918).

GSK-2011 / Gauss-Kruger CM 111E

Extent: Russian Federation - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21019')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21019')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 19 (code 20919).

GSK-2011 / Gauss-Kruger CM 117E

Extent: Russian Federation - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21020')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21020')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 20 (code 20920).

GSK-2011 / Gauss-Kruger CM 123E

Extent: Russian Federation - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21021')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21021')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 21 (code 20921).

GSK-2011 / Gauss-Kruger CM 129E

Extent: Russian Federation - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21022')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21022')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 22 (code 20922).

GSK-2011 / Gauss-Kruger CM 135E

Extent: Russian Federation - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21023')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21023')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 23 (code 20923).

GSK-2011 / Gauss-Kruger CM 141E

Extent: Russian Federation - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_141E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21024')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_141E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21024')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 24 (code 20924).

GSK-2011 / Gauss-Kruger CM 147E

Extent: Russian Federation - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_147E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21025')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_147E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21025')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 25 (code 20925).

GSK-2011 / Gauss-Kruger CM 153E

Extent: Russian Federation - onshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_153E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21026')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_153E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21026')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 26 (code 20926).

GSK-2011 / Gauss-Kruger CM 159E

Extent: Russian Federation - onshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_159E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21027')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_159E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21027')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 27 (code 20927).

GSK-2011 / Gauss-Kruger CM 165E

Extent: Russian Federation - onshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_165E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_165E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21028')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 28 (code 20928).

GSK-2011 / Gauss-Kruger CM 171E

Extent: Russian Federation - onshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21029')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21029')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 29 (code 20929).

GSK-2011 / Gauss-Kruger CM 171W

Extent: Russian Federation - onshore east of 174°W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21032')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 32 (code 20932).

GSK-2011 / Gauss-Kruger CM 177E

Extent: Russian Federation - onshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21030')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 30 (code 20930).

GSK-2011 / Gauss-Kruger CM 177W

Extent: Russian Federation - onshore between 180°E and 174°W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21031')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 31 (code 20931).

GSK-2011 / Gauss-Kruger CM 21E

Extent: Russian Federation - onshore west of 24°E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21004')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21004')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 4 (code 20904).

GSK-2011 / Gauss-Kruger CM 27E

Extent: Russian Federation - onshore between 24°E and 30°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21005')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21005')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 5 (code 20905).

GSK-2011 / Gauss-Kruger CM 33E

Extent: Russian Federation - onshore between 30°E and 36°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21006')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21006')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 6 (code 20906).

GSK-2011 / Gauss-Kruger CM 39E

Extent: Russian Federation - onshore between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21007')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21007')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 7 (code 20907).

GSK-2011 / Gauss-Kruger CM 45E

Extent: Russian Federation - onshore between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_45E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21008')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_45E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21008')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 8 (code 20908).

GSK-2011 / Gauss-Kruger CM 51E

Extent: Russian Federation - onshore between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_51E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21009')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_51E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21009')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 9 (code 20909).

GSK-2011 / Gauss-Kruger CM 57E

Extent: Russian Federation - onshore between 54°E and 60°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_57E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21010')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_57E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21010')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 10 (code 20910).

GSK-2011 / Gauss-Kruger CM 63E

Extent: Russian Federation - onshore between 60°E and 66°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_63E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21011')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_63E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21011')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 11 (code 20911).

GSK-2011 / Gauss-Kruger CM 69E

Extent: Russian Federation - onshore between 66°E and 72°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_69E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21012')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_69E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21012')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 12 (code 20912).

GSK-2011 / Gauss-Kruger CM 75E

Extent: Russian Federation - onshore between 72°E and 78°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21013')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21013')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 13 (code 20913).

GSK-2011 / Gauss-Kruger CM 81E

Extent: Russian Federation - onshore between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21014')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 14 (code 20914).

GSK-2011 / Gauss-Kruger CM 87E

Extent: Russian Federation - onshore between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21015')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 15 (code 20915).

GSK-2011 / Gauss-Kruger CM 93E

Extent: Russian Federation - onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21016')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 16 (code 20916).

GSK-2011 / Gauss-Kruger CM 99E

Extent: Russian Federation - onshore between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::21017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::21017')
```

Truncated form of GSK-2011 / Gauss-Kruger zone 17 (code 20917).

GSK-2011 / Gauss-Kruger zone 10

Extent: Russian Federation - onshore between 54°E and 60°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20910')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20910')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 57E (code 21010).

GSK-2011 / Gauss-Kruger zone 11

Extent: Russian Federation - onshore between 60°E and 66°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20911')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20911')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 63E (code 21011).

GSK-2011 / Gauss-Kruger zone 12

Extent: Russian Federation - onshore between 66°E and 72°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20912')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20912')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 69E (code 21012).

GSK-2011 / Gauss-Kruger zone 13

Extent: Russian Federation - onshore between 72°E and 78°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20913')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20913')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 75E (code 21013).

GSK-2011 / Gauss-Kruger zone 14

Extent: Russian Federation - onshore between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20914')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20914')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 81E (code 21014).

GSK-2011 / Gauss-Kruger zone 15

Extent: Russian Federation - onshore between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20915')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20915')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 87E (code 21015).

GSK-2011 / Gauss-Kruger zone 16

Extent: Russian Federation - onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20916')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20916')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 93E (code 21016).

GSK-2011 / Gauss-Kruger zone 17

Extent: Russian Federation - onshore between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20917')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20917')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 99E (code 21017).

GSK-2011 / Gauss-Kruger zone 18

Extent: Russian Federation - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20918')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20918')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 105E (code 21018).

GSK-2011 / Gauss-Kruger zone 19

Extent: Russian Federation - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20919')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20919')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 111E (code 21019).

GSK-2011 / Gauss-Kruger zone 20

Extent: Russian Federation - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20920')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20920')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 117E (code 21020).

GSK-2011 / Gauss-Kruger zone 21

Extent: Russian Federation - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20921')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20921')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 123E (code 21021).

GSK-2011 / Gauss-Kruger zone 22

Extent: Russian Federation - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20922')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20922')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 129E (code 21022).

GSK-2011 / Gauss-Kruger zone 23

Extent: Russian Federation - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20923')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20923')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 135E (code 21023).

GSK-2011 / Gauss-Kruger zone 24

Extent: Russian Federation - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20924')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20924')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 141E (code 21024).

GSK-2011 / Gauss-Kruger zone 25

Extent: Russian Federation - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20925')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20925')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 147E (code 21025).

GSK-2011 / Gauss-Kruger zone 26

Extent: Russian Federation - onshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20926')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20926')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 153E (code 21026).

GSK-2011 / Gauss-Kruger zone 27

Extent: Russian Federation - onshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20927')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20927')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 159E (code 21027).

GSK-2011 / Gauss-Kruger zone 28

Extent: Russian Federation - onshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20928')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20928')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 165E (code 21028).

GSK-2011 / Gauss-Kruger zone 29

Extent: Russian Federation - onshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20929')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20929')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 171E (code 21029).

GSK-2011 / Gauss-Kruger zone 30

Extent: Russian Federation - onshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20930')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20930')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 177E (code 21030).

GSK-2011 / Gauss-Kruger zone 31

Extent: Russian Federation - onshore between 180°E and 174°W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20931')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20931')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 177W (code 21031).

GSK-2011 / Gauss-Kruger zone 32

Extent: Russian Federation - onshore east of 174°W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20932')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20932')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 171W (code 21032).

GSK-2011 / Gauss-Kruger zone 4

Extent: Russian Federation - onshore west of 24°E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20904')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20904')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 21E (code 21004).

GSK-2011 / Gauss-Kruger zone 5

Extent: Russian Federation - onshore between 24°E and 30°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20905')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20905')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 27E (code 21005).

GSK-2011 / Gauss-Kruger zone 6

Extent: Russian Federation - onshore between 30°E and 36°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20906')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20906')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 33E (code 21006).

GSK-2011 / Gauss-Kruger zone 7

Extent: Russian Federation - onshore between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20907')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20907')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 39E (code 21007).

GSK-2011 / Gauss-Kruger zone 8

Extent: Russian Federation - onshore between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20908')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20908')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 45E (code 21008).

GSK-2011 / Gauss-Kruger zone 9

Extent: Russian Federation - onshore between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20909')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20909')
```

Effective from 2021-01-01. Also found with truncated false easting - see GSK-2011 / Gauss-Kruger CM 51E (code 21009).

GWPBS22 Grid

Extent: United Kingdom (UK) - on or related to the rail route from London (Paddington) to Swansea

```
Projected::fromSRID(Projected::EPSG_GWPBS22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GWPBS22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10212')
```

Defined through transformation ETRS89 to GWPBS22-IRF (1) (code 10210) and map projection GW22-LCC (code 10211). Emulates the GWPBS22 Snake projection applied to ETRS89 as realized through OSNet 2009. Replaces GWPBS09. Adjoined by GWWAB22 and GWWWA22.

GWWAB22 Grid

Extent: United Kingdom (UK) - on or related to the rail routes around Cardiff and the valleys

```
Projected::fromSRID(Projected::EPSG_GWWAB22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GWWAB22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10217')
```

Defined through transformation ETRS89 to GWWAB22-IRF (1) (code 10215) and map projection GW22-LCC (code 10211). Emulates the GWWAB22 Snake projection applied to ETRS89 as realized through OSNet 2009. Replaces WABCVL18. Adjoins the GWPBS22 Grid.

GWWWA22 Grid

Extent: United Kingdom (UK) - on or related to the rail routes from Swansea to Pembroke Dock, Milford Haven and Fishguard

```
Projected::fromSRID(Projected::EPSG_GWWWA22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GWWWA22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10222')
```

Defined through transformation ETRS89 to GWWWA22-IRF (1) (code 10220) and map projection GW-LCC22 (code 10211). Emulates the GWWWA22 Snake projection applied to ETRS89 as realized through OSNet 2009. Replaces GWPBS09_WestWales. Adjoins GWPBS22 Grid.

Garoua / UTM zone 33N

Extent: Cameroon - Garoua area

```
Projected::fromSRID(Projected::EPSG_GAROUA_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GAROUA_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2312')
```

Grand Cayman National Grid 1959

Extent: Cayman Islands - Grand Cayman

```
Projected::fromSRID(Projected::EPSG_GRAND_CAYMAN_NATIONAL_GRID_1959)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GRAND_CAYMAN_NATIONAL_GRID_1959)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6128')
```

Grand Comoros / UTM zone 38S

Extent: Comoros - Njazidja (Grande Comore)

```
Projected::fromSRID(Projected::EPSG_GRAND_COMOROS_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2999')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GRAND_COMOROS_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2999')
```

Grenada 1953 / British West Indies Grid

Extent: Grenada and southern Grenadine Islands - onshore

```
Projected::fromSRID(Projected::EPSG_GRENADA_1953_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2003')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GRENADA_1953_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2003')
```

Guadeloupe 1948 / UTM zone 20N

Extent: Guadeloupe - onshore - Basse-Terre, Grande-Terre, La Desirade, Marie-Galante, Les Saintes

```
Projected::fromSRID(Projected::EPSG_GUADELOUPE_1948_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2970')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GUADELOUPE_1948_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2970')
```

Replaced by RRAF 1991 / UTM zone 20N (CRS code 4559).

Guam 1963 / Guam SPCS

Extent: Guam - onshore

```
Projected::fromSRID(Projected::EPSG_GUAM_1963_GUAM_SPCS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3993')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GUAM_1963_GUAM_SPCS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3993')
```

Replaced by NAD83(HARN) / Guam Map Grid (CRS code 4414) from 1995.

Guam 1963 / Yap Islands

Extent: Federated States of Micronesia - Yap Islands

```
Projected::fromSRID(Projected::EPSG_GUAM_1963_YAP_ISLANDS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3295')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GUAM_1963_YAP_ISLANDS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3295')
```

Gulshan 303 / Bangladesh Transverse Mercator

Extent: Bangladesh - onshore

```
Projected::fromSRID(Projected::EPSG_GULSHAN_303_BANGLADESH_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9678')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GULSHAN_303_BANGLADESH_TRANSVERSE_
↪MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9678')
```

See Gulshan 303 / TM 90 NE (CRS code 3106) for topographic mapping and offshore oil and gas activities.

Gulshan 303 / TM 90 NE

Extent: Bangladesh - onshore and offshore, Bangladesh - onshore

```
Projected::fromSRID(Projected::EPSG_GULSHAN_303_TM_90_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3106')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GULSHAN_303_TM_90_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3106')
```

Used by Survey of Bangladesh from 1995 to 2009, after which replaced by WGS 84 / TM 90 NE (CRS code 9680). See Gulshan 303 / BTM (code 9678) for other uses including water resource management.

Gusterberg Grid (Ferro)

Extent: Austria - Upper Austria and Salzburg provinces. Czechia - Bohemia

```
Projected::fromSRID(Projected::EPSG_GUSTERBERG_GRID_FERRO)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8044')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_GUSTERBERG_GRID_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8044')
```

HD72 / EOV

Extent: Hungary

```
Projected::fromSRID(Projected::EPSG_HD72_EOV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HD72_EOV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23700')
```

HS2 Survey Grid

Extent: United Kingdom (UK) - HS2 phases 1 and 2a railway corridor from London to Birmingham, Lichfield and Crewe

```
Projected::fromSRID(Projected::EPSG_HS2_SURVEY_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9300')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HS2_SURVEY_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9300')
```

HS2 Survey Grid is equivalent to the tailored zero-distortion ETRS89-based SnakeGrid HS2P1+14, the Snake projection emulated using an NTv2 transformation (code 9302) and a Transverse Mercator map projection (code 9301).

HTRS96 / Croatia LCC

Extent: Croatia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HTRS96_CROATIA_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HTRS96_CROATIA_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3766')
```

HTRS96 / Croatia TM

Extent: Croatia - onshore

```
Projected::fromSRID(Projected::EPSG_HTRS96_CROATIA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3765')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HTRS96_CROATIA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3765')
```

HTRS96 / UTM zone 33N

Extent: Croatia - west of 18°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3767')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3767')
```

HTRS96 / UTM zone 34N

Extent: Croatia - east of 18°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3768')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3768')
```

HULLEE13 Grid

Extent: United Kingdom (UK) - on or related to the rail route from the Morley tunnel through Leeds to Hull

```
Projected::fromSRID(Projected::EPSG_HULLEE13_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9967')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HULLEE13_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9967')
```

Defined through transformation ETRS89 to HULLEE13-IRF (1) (code 9965) and map projection HULLEE13-TM (code 9966). Emulates the HULLEE13 Snake projection applied to ETRS89 as realized through OSNet 2009.

Hanoi 1972 / GK 106 NE

Extent: Vietnam - onshore Vung Tau area

```
Projected::fromSRID(Projected::EPSG_HANOI_1972_GK_106_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2093')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HANOI_1972_GK_106_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2093')
```

Hanoi 1972 / Gauss-Kruger zone 18

Extent: Vietnam - onshore west of 108°E

```
Projected::fromSRID(Projected::EPSG_HANOI_1972_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2044')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HANOI_1972_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2044')
```

Replaces use of Indian 1960 / UTM zone 48 after 1988. Replaced by VN-2000 / UTM zone 48N (CRS code 3405).

Hanoi 1972 / Gauss-Kruger zone 19

Extent: Vietnam - onshore east of 108°E

```
Projected::fromSRID(Projected::EPSG_HANOI_1972_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2045')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HANOI_1972_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2045')
```

Replaces use of Indian 1960 / UTM zone 49 after 1988. Replaced by VN-2000 / UTM zone 48N (CRS code 3406).

Hartebeesthoek94 / Lo15

Extent: Namibia - Walvis Bay

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2046')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2046')
```

Hartebeesthoek94 / Lo17

Extent: South Africa - onshore west of 18°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2047')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2047')
```

Hartebeesthoek94 / Lo19

Extent: South Africa - onshore between 18°E and 20°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2048')
```

Hartebeesthoek94 / Lo21

Extent: South Africa - onshore between 20°E and 22°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2049')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2049')
```

Hartebeesthoek94 / Lo23

Extent: South Africa - onshore between 22°E and 24°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2050')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2050')
```

Hartebeesthoek94 / Lo25

Extent: South Africa - onshore between 24°E and 26°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2051')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2051')
```

Hartebeesthoek94 / Lo27

Extent: Lesotho - west of 28°E. South Africa - onshore between 26°E and 28°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2052')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2052')
```

Hartebeesthoek94 / Lo29

Extent: Lesotho - east of 28°E. South Africa - onshore between 28°E and 30°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2053')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2053')
```

Hartebeesthoek94 / Lo31

Extent: South Africa - onshore between 30°E and 32°E. Eswatini (Swaziland)

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2054')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2054')
```

Hartebeesthoek94 / Lo33

Extent: South Africa - east of 32°E

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2055')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2055')
```

Hartebeesthoek94 / ZAF BSU Albers 25E

Extent: South Africa - mainland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_ZAF_BSU_ALBERS_25E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_ZAF_BSU_ALBERS_25E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9221')
```

Used for construction of the Basic Spatial Unit (BSU) grid. Came into use from 2019-01-01. Use is extended northwards into neighbouring countries to include the river catchment areas of the Orange/Gariep and Limpopo rivers.

Hartebeesthoek94 / ZAF BSU Albers 44E

Extent: South Africa - Marion Island and Prince Edward Island - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_ZAF_BSU_ALBERS_44E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_ZAF_BSU_ALBERS_44E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9222')
```

Helle 1954 / Jan Mayen Grid

Extent: Jan Mayen - onshore

```
Projected::fromSRID(Projected::EPSG_HELLE_1954_JAN_MAYEN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HELLE_1954_JAN_MAYEN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3058')
```

Hito XVIII 1963 / Argentina 2

Extent: Argentina - Tierra del Fuego onshore west of 67°30'W

```
Projected::fromSRID(Projected::EPSG_HITO_XVIII_1963_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2083')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HITO_XVIII_1963_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2083')
```

Hito XVIII 1963 / UTM zone 19S

Extent: Argentina - Tierra del Fuego offshore Atlantic west of 66°W

```
Projected::fromSRID(Projected::EPSG_HITO_XVIII_1963_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2084')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HITO_XVIII_1963_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2084')
```

Hjorsey 1955 / Lambert 1955

Extent: Iceland - mainland

```
Projected::fromSRID(Projected::EPSG_HJORSEY_1955_LAMBERT_1955)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3053')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HJORSEY_1955_LAMBERT_1955)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3053')
```

Replaces Reykjavik 1900 / Lambert 1900 (CRS code 3052). Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Hjorsey 1955 / UTM zone 26N

Extent: Iceland - mainland west of 24°W

```
Projected::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3054')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3054')
```

Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Hjorsey 1955 / UTM zone 27N

Extent: Iceland - mainland between 24°W and 18°W

```
Projected::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3055')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3055')
```

Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Hjorsey 1955 / UTM zone 28N

Extent: Iceland - mainland east of 18°W

```
Projected::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3056')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3056')
```

Replaced by ISN93 / Lambert 1993 (CRS code 3057).

Hong Kong 1963 Grid System

Extent: China - Hong Kong - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HONG_KONG_1963_GRID_SYSTEM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HONG_KONG_1963_GRID_SYSTEM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3407')
```

Replaced by Hong Kong 1980 Grid System (CRS code 2326).

Hong Kong 1980 Grid System

Extent: China - Hong Kong - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_HONG_KONG_1980_GRID_SYSTEM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HONG_KONG_1980_GRID_SYSTEM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2326')
```

Replaces Hong Kong 1963 Grid System.

Hu Tzu Shan 1950 / UTM zone 51N

Extent: Taiwan, Republic of China - onshore - Taiwan Island, Penghu (Pescadores) Islands

```
Projected::fromSRID(Projected::EPSG_HU_TZU_SHAN_1950_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3829')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_HU_TZU_SHAN_1950_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3829')
```

ID74 / UTM zone 46N

Extent: Indonesia - onshore west of 96°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23846')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23846')
```

Replaced by DGN95 / UTM zone 46N.

ID74 / UTM zone 47N

Extent: Indonesia - onshore north of equator and between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23847')
```

Replaced by DGN95 / UTM zone 47N.

ID74 / UTM zone 47S

Extent: Indonesia - onshore south of equator and between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23887')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23887')
```

Replaced by DGN95 / UTM zone 47S.

ID74 / UTM zone 48N

Extent: Indonesia - onshore north of equator and between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23848')
```

Replaced by DGN95 / UTM zone 48N.

ID74 / UTM zone 48S

Extent: Indonesia - onshore south of equator and between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23888')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23888')
```

Replaced by DGN95 / UTM zone 48S.

ID74 / UTM zone 49N

Extent: Indonesia - onshore north of equator and between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23849')
```

Replaced by DGN95 / UTM zone 49N.

ID74 / UTM zone 49S

Extent: Indonesia - onshore south of equator and between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23889')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23889')
```

Replaced by DGN95 / UTM zone 49S.

ID74 / UTM zone 50N

Extent: Indonesia - onshore north of equator and between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23850')
```

Replaced by DGN95 / UTM zone 50N.

ID74 / UTM zone 50S

Extent: Indonesia - onshore south of equator and between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23890')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23890')
```

Replaced by DGN95 / UTM zone 50S.

ID74 / UTM zone 51N

Extent: Indonesia - onshore north of equator and between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23851')
```

Replaced by DGN95 / UTM zone 51N.

ID74 / UTM zone 51S

Extent: Indonesia - onshore south of equator and between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23891')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23891')
```

Replaced by DGN95 / UTM zone 51S.

ID74 / UTM zone 52N

Extent: Indonesia - onshore north of equator and between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23852')
```

Replaced by DGN95 / UTM zone 52N.

ID74 / UTM zone 52S

Extent: Indonesia - onshore south of equator and between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23892')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23892')
```

Replaced by DGN95 / UTM zone 52S.

ID74 / UTM zone 53S

Extent: Indonesia - onshore south of equator and between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23893')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23893')
```

Replaced by DGN95 / UTM zone 53S.

ID74 / UTM zone 54S

Extent: Indonesia - onshore east of 138°E

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23894')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ID74_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23894')
```

Replaced by DGN95 / UTM zone 54S.

IGC 1962 / Congo TM zone 12

Extent: The Democratic Republic of the Congo (Zaire) - onshore west of 13°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3318')
```

IGC 1962 / Congo TM zone 14

Extent: The Democratic Republic of the Congo (Zaire) - between 13°E to 15°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3319')
```

IGC 1962 / Congo TM zone 16

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 15°E and 17°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3320')
```

IGC 1962 / Congo TM zone 18

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel traverse between 17°E and 19°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3321')
```

IGC 1962 / Congo TM zone 20

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 19°E and 21°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3322')
```

IGC 1962 / Congo TM zone 22

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 21°E and 23°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3323')
```

IGC 1962 / Congo TM zone 24

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 23°E and 25°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3324')
```

IGC 1962 / Congo TM zone 26

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 25°E and 27°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3325')
```

IGC 1962 / Congo TM zone 28

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 27°E and 29°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3326')
```

IGC 1962 / Congo TM zone 30

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse and east of 29°E

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3327')
```

IGCB 1955 / Congo TM zone 12

Extent: The Democratic Republic of the Congo (Zaire) - onshore west of 13°E

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3339')
```

Oil industry operations used IGBC 1955 / UTM zone 33S (code 3342).

IGCB 1955 / Congo TM zone 14

Extent: The Democratic Republic of the Congo (Zaire) - between 13°E to 15°E

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3340')
```

Oil industry operations used IGBC 1955 / UTM zone 33S (code 3342).

IGCB 1955 / Congo TM zone 16

Extent: The Democratic Republic of the Congo (Zaire) - Bas Congo east of 15°E

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3341')
```

Oil industry operations used IGBC 1955 / UTM zone 33S (code 3342).

IGCB 1955 / UTM zone 33S

Extent: The Democratic Republic of the Congo (Zaire) - Lower Congo (Bas Congo)

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGCB_1955_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3342')
```

IGM95 / UTM zone 32N

Extent: Italy - onshore and offshore - west of 12°E

```
Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3064')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3064')
```

Replaced by RDN2008 / UTM zone 32N (CRS codes 6707 and 7791) from 2011-11-10.

IGM95 / UTM zone 33N

Extent: Italy - onshore and offshore - between 12°E and 18°E including San Marino and Vatican City State

```
Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3065')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3065')
```

Replaced by RDN2008 / UTM zone 33N and RDN2008 / UTM zone 34N (CRS codes 6708-09 and 7792-93) from 2011-11-10.

IGM95 / UTM zone 34N

Extent: Italy - onshore and offshore - east of 18°E

```
Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9716')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9716')
```

Replaced by RDN2008 / UTM zone 34N (CRS codes 6709 and 7793) from 2011-11-10.

IGN 1962 Kerguelen / UTM zone 42S

Extent: French Southern Territories - Kerguelen onshore

```
Projected::fromSRID(Projected::EPSG_IGN_1962_KERGUELEN_UTM_ZONE_42S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN_1962_KERGUELEN_UTM_ZONE_42S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3336')
```

Replaced by RGTAAF07 / UTM zone 42S (CRS code 7079).

IGN Astro 1960 / UTM zone 28N

Extent: Mauritania - onshore west of 12°W

```
Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3367')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3367')
```

Mining title descriptions referring only to "Clarke 1880 ellipsoid, UTM zone 28" should be assumed to be referenced to this CRS. Oil industry considers "Mauritanian Mining Cadastre 1999 / UTM zone 28N" to be exactly defined through tfm code 15857.

IGN Astro 1960 / UTM zone 29N

Extent: Mauritania - between 12°W and 6°W

```
Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3368')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3368')
```

Mining title descriptions referring only to "Clarke 1880 ellipsoid, UTM zone 29" should be assumed to be referenced to this CRS. Oil industry considers "Mauritanian Mining Cadastre 1999 / UTM zone 29N" to be exactly defined through tfm code 15858.

IGN Astro 1960 / UTM zone 30N

Extent: Mauritania - east of 6°W

```
Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3369')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3369')
```

Mining title descriptions referring only to "Clarke 1880 ellipsoid, UTM zone 30" should be assumed to be referenced to this CRS. Oil industry considers "Mauritanian Mining Cadastre 1999 / UTM zone 30N" to be exactly defined through tfm code 15859.

IGN53 Mare / UTM zone 58S

Extent: New Caledonia - Loyalty Islands - Mare - west of 168°E

```
Projected::fromSRID(Projected::EPSG_IGN53_MARE_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2995')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN53_MARE_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2995')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

IGN53 Mare / UTM zone 59S

Extent: New Caledonia - Loyalty Islands - Mare - east of 168°E

```
Projected::fromSRID(Projected::EPSG_IGN53_MARE_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3172')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN53_MARE_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3172')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

IGN56 Lifou / UTM zone 58S

Extent: New Caledonia - Loyalty Islands - Lifou

```
Projected::fromSRID(Projected::EPSG_IGN56_LIFOU_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2981')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN56_LIFOU_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2981')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

IGN63 Hiva Oa / UTM zone 7S

Extent: French Polynesia - Marquesas Islands - Hiva Oa and Tahuata

```
Projected::fromSRID(Projected::EPSG_IGN63_HIVA_OA_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3302')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN63_HIVA_OA_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3302')
```

Replaced by RGPF / UTM zone 7S, CRS code 3298.

IGN72 Grande Terre / UTM zone 58S

Extent: New Caledonia - Grande Terre

```
Projected::fromSRID(Projected::EPSG_IGN72_GRANDE_TERRE_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3060')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN72_GRANDE_TERRE_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3060')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

IGN72 Nuku Hiva / UTM zone 7S

Extent: French Polynesia - Marquesas Islands - Nuku Hiva, Ua Huka and Ua Pou

```
Projected::fromSRID(Projected::EPSG_IGN72_NUKU_HIVA_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2978')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGN72_NUKU_HIVA_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2978')
```

Replaced by RGPF / UTM zone 7S, CRS code 3298.

IGRS / UTM zone 37N

Extent: Iraq - west of 42°E

```
Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3890')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3890')
```

IGRS / UTM zone 38N

Extent: Iraq - between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3891')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3891')
```

IGRS / UTM zone 39N

Extent: Iraq - east of 48°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3892')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3892')
```

IRENET95 / Irish Transverse Mercator

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Projected::fromSRID(Projected::EPSG_IRENET95_IRISH_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2157')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IRENET95_IRISH_TRANSVERSE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2157')
```

Replaces TM75 / Irish Grid (code 29903) from 1/1/2001.

IRENET95 / UTM zone 29N

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Projected::fromSRID(Projected::EPSG_IRENET95_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2158')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_IRENET95_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2158')
```

ISN2004 / LAEA Europe

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2004_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5638')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2004_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5638')
```

At applicable scales and usages, may be considered consistent with ETRS89-extended / LAEA Europe (CRS code 3035): see CT 9041. Replaced by ISN2016 / LAEA Europe (CRS code 9039).

ISN2004 / LAEA Iceland

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2004_LAEA_ICELAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9947')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2004_LAEA_ICELAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9947')
```

ISN2004 / LCC Europe

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2004_LCC_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5639')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2004_LCC_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5639')
```

At applicable scales (1:500,000 and smaller) may be considered consistent with ETRS89-extended / LCC Europe (CRS code 3034): see CT 9042. Replaced by ISN2016 / LCC Europe (CRS code 9040).

ISN2004 / Lambert 2004

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2004_LAMBERT_2004)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2004_LAMBERT_2004)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5325')
```

Replaces ISN93 / Lambert 1993 (CRS code 3057).

ISN2016 / LAEA Europe

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2016_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9039')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2016_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9039')
```

At applicable scales and usages, may be considered consistent with ETRS89-extended / LAEA Europe (CRS code 3035): see CT 9043. Replaces ISN2004 / LAEA Europe (CRS code 5638).

ISN2016 / LCC Europe

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2016_LCC_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9040')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2016_LCC_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9040')
```

At applicable scales (1:500,000 and smaller) may be considered consistent with ETRS89-extended / LCC Europe (CRS code 3034): see CT 9044. Replaces ISN2004 / LCC Europe (CRS code 5639).

ISN2016 / Lambert 2016

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN2016_LAMBERT_2016)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8088')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN2016_LAMBERT_2016)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8088')
```

Replaces ISN2004 / Lambert 2004 (CRS code 5325) from September 2017.

ISN93 / Lambert 1993

Extent: Iceland - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ISN93_LAMBERT_1993)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3057')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISN93_LAMBERT_1993)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3057')
```

Replaces Hjorsey 1955 / Lambert 1955 (CRS code 3053). Replaced by ISN2004 / Lambert 2004 (CRS code 5325).

Indian 1954 / UTM zone 46N

Extent: Myanmar (Burma) - onshore west of 96°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23946')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23946')
```

Indian 1954 / UTM zone 47N

Extent: Myanmar (Burma) - onshore east of 96°E; Thailand - onshore west of 102°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23947')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23947')
```

Indian 1954 / UTM zone 48N

Extent: Thailand - onshore east of 102°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23948')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23948')
```

Indian 1960 / TM 106 NE

Extent: Vietnam - offshore - Cuu Long basin and northwestern part of Nam Con Son basin

```
Projected::fromSRID(Projected::EPSG_INDIAN_1960_TM_106_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3176')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1960_TM_106_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3176')
```

Indian 1960 / UTM zone 48N

Extent: Cambodia; Vietnam west of 108°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1960_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3148')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1960_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3148')
```

In Vietnam replaced by Hanoi 72 / Gauss zone 18 from 1988 onwards.

Indian 1960 / UTM zone 49N

Extent: Vietnam - onshore east of 108°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1960_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3149')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1960_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3149')
```

Replaced by Hanoi 72 / Gauss zone 18 from 1988 onwards.

Indian 1975 / UTM zone 47N

Extent: Thailand - onshore west of 102°E plus offshore Gulf of Thailand west of 102°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1975_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24047')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1975_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24047')
```

Indian 1975 / UTM zone 48N

Extent: Thailand - onshore and offshore east of 102°E

```
Projected::fromSRID(Projected::EPSG_INDIAN_1975_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_INDIAN_1975_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24048')
```

Israel 1993 / Israeli TM Grid

Extent: Israel - onshore; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_ISRAEL_1993_ISRAELI_TM_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2039')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISRAEL_1993_ISRAELI_TM_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2039')
```

Replaces Israeli CS Grid (EPSG code 28193) from June 1998. Replaced by Israeli Grid 05 (IG05) (CRS code 6984) for precise applications.

Israeli Grid 05

Extent: Israel - onshore; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_ISRAELI_GRID_05)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6984')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISRAELI_GRID_05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6984')
```

Replaces Israel 1993 / Israeli TM Grid (CRS code 2039). As an approximation at the one metre level these grids can be considered coincident. Replaced by Israeli Grid 05/12 (code 6991). Derived from IGD05 through official transformation details unknown.

Israeli Grid 05/12

Extent: Israel - onshore; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_ISRAELI_GRID_05_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ISRAELI_GRID_05_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6991')
```

Derived from IGD05/12 (CRS code 6987) through official transformation (code 6993) and Israeli TM projection. Replaces IG05 (CRS code 6984). This grid IG05/12 coincident with IG05 at the 1dm level and with Israeli New Grid (CRS code 2039) at the 1m level.

JAD2001 / Jamaica Metric Grid

Extent: Jamaica - onshore

```
Projected::fromSRID(Projected::EPSG_JAD2001_JAMAICA_METRIC_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3448')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JAD2001_JAMAICA_METRIC_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3448')
```

Replaces JAD69 / Jamaica National Grid (CRS code 24200).

JAD2001 / UTM zone 17N

Extent: Jamaica - west of 78°W onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3449')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3449')
```

See JAD2001 / Jamaica Metric Grid (CRS code 3448) for land applications.

JAD2001 / UTM zone 18N

Extent: Jamaica - east of 78°W onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3450')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3450')
```

See JAD2001 / Jamaica Metric Grid (CRS code 3448) for land applications.

JAD69 / Jamaica National Grid

Extent: Jamaica - onshore

```
Projected::fromSRID(Projected::EPSG_JAD69_JAMAICA_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24200')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JAD69_JAMAICA_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24200')
```

Replaces Jamaica 1875 / Jamaica (Old Grid) (CRS code 24100). Replaced by JAD2001 / Jamaica Metric Grid (CRS code 3448).

JGD2000 / Japan Plane Rectangular CS I

Extent: Japan - onshore - Kyushu west of approximately 130°E - Nagasaki-ken; islands of Kagoshima-ken between 27°N and 32°N and between 128°18'E and 130°E (between 128°18'E and 30°13'E for Amami islands)

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2443')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2443')
```

Replaces Tokyo / Japan Plane Rectangular CS I (code 30161).

JGD2000 / Japan Plane Rectangular CS II

Extent: Japan - onshore - Kyushu east of approximately 130°E - Fukuoka-ken; Saga-ken; Kumamoto-ken; Oita-ken; Miyazaki-ken; Kagoshima-ken (except for area within Japan Plane Rectangular Coordinate System zone I)

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2444')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2444')
```

Replaces Tokyo / Japan Plane Rectangular CS II (code 30162).

JGD2000 / Japan Plane Rectangular CS III

Extent: Japan - onshore - Honshu west of approximately 133°15'E - Yamaguchi-ken; Shimane-ken; Hiroshima-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2445')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2445')
```

Replaces Tokyo / Japan Plane Rectangular CS III (code 30163).

JGD2000 / Japan Plane Rectangular CS IV

Extent: Japan - onshore - Shikoku - Kagawa-ken; Ehime-ken; Tokushima-ken; Kochi-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2446')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2446')
```

Replaces Tokyo / Japan Plane Rectangular CS IV (code 30164).

JGD2000 / Japan Plane Rectangular CS IX

Extent: Japan - onshore - Honshu - Tokyo-to. (Excludes offshore island areas of Tokyo-to covered by Japan Plane Rectangular Coordinate System zones XIV, XVIII and XIX)

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_IX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2451')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪IX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2451')
```

Replaces Tokyo / Japan Plane Rectangular CS IX (code 30169).

JGD2000 / Japan Plane Rectangular CS V

Extent: Japan - onshore - Honshu between approximately 133°15'E and 135°10'E - Hyogo-ken; Tottori-ken; Okayama-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2447')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2447')
```

Replaces Tokyo / Japan Plane Rectangular CS V (code 30165).

JGD2000 / Japan Plane Rectangular CS VI

Extent: Japan - onshore - Honshu between approximately 135°10'E and 136°45'E - Kyoto-fu; Osaka-fu; Fukui-ken; Shiga-ken; Mie-ken; Nara-ken; Wakayama-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2448')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪VI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2448')
```

Replaces Tokyo / Japan Plane Rectangular CS VI (code 30166).

JGD2000 / Japan Plane Rectangular CS VII

Extent: Japan - onshore - Honshu between approximately 136°15'E and 137°45'E - Ishikawa-ken; Toyama-ken; Gifu-ken; Aichi-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2449')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪VII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2449')
```

Replaces Tokyo / Japan Plane Rectangular CS VII (code 30167).

JGD2000 / Japan Plane Rectangular CS VIII

Extent: Japan - onshore - Honshu between approximately 137°45'E and 139°E - Niigata-ken; Nagano-ken; Yamanashi-ken; Shizuoka-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2450')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪VIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2450')
```

Replaces Tokyo / Japan Plane Rectangular CS VIII (code 30168).

JGD2000 / Japan Plane Rectangular CS X

Extent: Japan - onshore - Honshu north of 38°N approximately - Aomori-ken; Akita-ken; Yamagata-ken; Iwate-ken; Miyagi-ken

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_X)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2452')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_X)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2452')
```

Replaces Tokyo / Japan Plane Rectangular CS X (code 30170).

JGD2000 / Japan Plane Rectangular CS XI

Extent: Japan - onshore - Hokkaido west of approximately 141°E - Otaru city; Hakodate city; Date city; Usu-gun and Abuta-gun of Iburi-shicho; Hiyama-shicho; Shiribeshi-shicho; Oshima-shicho

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2453')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2453')
```

Replaces Tokyo / Japan Plane Rectangular CS XI (code 30171).

JGD2000 / Japan Plane Rectangular CS XII

Extent: Japan - onshore - Hokkaido between approximately 141°E and 143°E - Sapporo city; Asahikawa city; Wakkanai city; Rumoi city; Bibai city; Yubari city; Iwamizawa city; Tomakomai city; Muroran city; Shibetsu city; Nayoro city; Ashibetsu city; Akabira city; Mikasa city; Takikawa city; Sunagawa city; Ebetsu city; Chitose city; Utashinai city; Fukagawa city; Monbetsu city; Furano city; Noboribetsu city; Eniwa city; Ishikari-shicho; Monbetsu-gun of Abashiri-shicho; Kamikawa-shicho; Soya-shicho; Hidaka-shicho; Iburi-shicho (except Usu-gun and Abuta-gun); Sorachi-shicho; Rumoi-shicho

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2454')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2454')
```

Replaces Tokyo / Japan Plane Rectangular CS XII (code 30172).

JGD2000 / Japan Plane Rectangular CS XIII

Extent: Japan - onshore - Hokkaido east of approximately 143°E - Kitami city; Obihiro city; Kushiro city; Abashiri city; Nemuro city; Nemuro-shicho; Kushiro-shicho; Abashiri-shicho (except Monbetsu-gun); Tokachi-shicho

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2455')
```

Replaces Tokyo / Japan Plane Rectangular CS XIII (code 30173).

JGD2000 / Japan Plane Rectangular CS XIV

Extent: Japan - onshore - Tokyo-to south of 28°N and between 140°30'E and 143°E

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2456')
```

Replaces Tokyo / Japan Plane Rectangular CS XIV (code 30174).

JGD2000 / Japan Plane Rectangular CS XIX

Extent: Japan - onshore - Tokyo-to south of 28°N and east of 143°E - Minamitori-shima (Marcus Island)

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2461')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XIX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2461')
```

Replaces Tokyo / Japan Plane Rectangular CS XIX (code 30179).

JGD2000 / Japan Plane Rectangular CS XV

Extent: Japan - onshore - Okinawa-ken between 126°E and 130°E

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2457')
```

Replaces Tokyo / Japan Plane Rectangular CS XV (code 30175).

JGD2000 / Japan Plane Rectangular CS XVI

Extent: Japan - onshore - Okinawa-ken west of 126°E

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2458')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XVI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2458')
```

Replaces Tokyo / Japan Plane Rectangular CS XVI (code 30176).

JGD2000 / Japan Plane Rectangular CS XVII

Extent: Japan - onshore Okinawa-ken east of 130°E

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XVII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2459')
```

Replaces Tokyo / Japan Plane Rectangular CS XVII (code 30177).

JGD2000 / Japan Plane Rectangular CS XVIII

Extent: Japan - onshore - Tokyo-to south of 28°N and west of 140°30'E

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_
↪XVIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2460')
```

Replaces Tokyo / Japan Plane Rectangular CS XVIII (code 30178).

JGD2000 / UTM zone 51N

Extent: Japan - west of 126°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3097')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3097')
```

Replaces Tokyo / UTM zone 51N (code 3092). Replaced by JGD2011 / UTM zone 51N (code 6688).

JGD2000 / UTM zone 52N

Extent: Japan - between 126°E and 132°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3098')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3098')
```

Replaces Tokyo / UTM zone 52N (code 3093). Replaced by JGD2011 / UTM zone 52N (code 6689).

JGD2000 / UTM zone 53N

Extent: Japan - between 132°E and 138°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_53N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3099')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_53N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3099')
```

Replaces Tokyo / UTM zone 53N (code 3094). Replaced by JGD2011 / UTM zone 53N (code 6690).

JGD2000 / UTM zone 54N

Extent: Japan - between 138°E and 144°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3100')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3100')
```

Replaces Tokyo / UTM zone 54N (code 3095). Replaced by JGD2011 / UTM zone 54N (code 6691).

JGD2000 / UTM zone 55N

Extent: Japan - east of 144°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3101')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3101')
```

Replaces Tokyo / UTM zone 55N (code 3096). Replaced by JGD2011 / UTM zone 55N (code 6692).

JGD2011 / Japan Plane Rectangular CS I

Extent: Japan - onshore - Kyushu west of approximately 130°E - Nagasaki-ken; islands of Kagoshima-ken between 27°N and 32°N and between 128°18'E and 130°E (between 128°18'E and 30°13'E for Amami islands)

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6669')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6669')
```

Replaces JGD2000 / Japan Plane Rectangular CS I (CRS code 2443) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS II

Extent: Japan - onshore - Kyushu east of approximately 130°E - Fukuoka-ken; Saga-ken; Kumamoto-ken; Oita-ken; Miyazaki-ken; Kagoshima-ken (except for area within Japan Plane Rectangular Coordinate System zone I)

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6670')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6670')
```

Replaces JGD2000 / Japan Plane Rectangular CS II (CRS code 2444) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS III

Extent: Japan - onshore - Honshu west of approximately 133°15'E - Yamaguchi-ken; Shimane-ken; Hiroshima-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6671')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6671')
```

Replaces JGD2000 / Japan Plane Rectangular CS III (CRS code 2445) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS IV

Extent: Japan - onshore - Shikoku - Kagawa-ken; Ehime-ken; Tokushima-ken; Kochi-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6672')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6672')
```

Replaces JGD2000 / Japan Plane Rectangular CS IV (CRS code 2446) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS IX

Extent: Japan - onshore - Honshu - Tokyo-to. (Excludes offshore island areas of Tokyo-to covered by Japan Plane Rectangular Coordinate System zones XIV, XVIII and XIX)

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6677')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪IX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6677')
```

Replaces JGD2000 / Japan Plane Rectangular CS IX (CRS code 2451) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS V

Extent: Japan - onshore - Honshu between approximately 133°15'E and 135°10'E - Hyogo-ken; Tottori-ken; Okayama-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6673')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6673')
```

Replaces JGD2000 / Japan Plane Rectangular CS V (CRS code 2447) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS VI

Extent: Japan - onshore - Honshu between approximately 135°10'E and 136°45'E - Kyoto-fu; Osaka-fu; Fukui-ken; Shiga-ken; Mie-ken; Nara-ken; Wakayama-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6674')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
```

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```
↪VI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6674')
```

Replaces JGD2000 / Japan Plane Rectangular CS VI (CRS code 2448) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS VII

Extent: Japan - onshore - Honshu between approximately 136°15'E and 137°45'E - Ishikawa-ken; Toyama-ken; Gifu-ken; Aichi-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6675')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪VII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6675')
```

Replaces JGD2000 / Japan Plane Rectangular CS VII (CRS code 2449) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS VIII

Extent: Japan - onshore - Honshu between approximately 137°45'E and 139°E - Niigata-ken; Nagano-ken; Yamanashi-ken; Shizuoka-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6676')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪VIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6676')
```

Replaces JGD2000 / Japan Plane Rectangular CS VIII (CRS code 2450) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS X

Extent: Japan - onshore - Honshu north of 38°N approximately - Aomori-ken; Akita-ken; Yamagata-ken; Iwate-ken; Miyagi-ken

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_X)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6678')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_X)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6678')
```

Replaces JGD2000 / Japan Plane Rectangular CS X (CRS code 2452) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XI

Extent: Japan - onshore - Hokkaido west of approximately 141°E - Otaru city; Hakodate city; Date city; Usu-gun and Abuta-gun of Iburi-shicho; Hiyama-shicho; Shiribeshi-shicho; Oshima-shicho

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6679')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6679')
```

Replaces JGD2000 / Japan Plane Rectangular CS XI (CRS code 2453) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XII

Extent: Japan - onshore - Hokkaido between approximately 141°E and 143°E - Sapporo city; Asahikawa city; Wakkanai city; Rumoi city; Bibai city; Yubari city; Iwamizawa city; Tomakomai city; Muroran city; Shibetsu city; Nayoro city; Ashibetsu city; Akabira city; Mikasa city; Takikawa city; Sunagawa city; Ebetsu city; Chitose city; Utashinai city; Fukagawa city; Monbetsu city; Furano city; Noboribetsu city; Eniwa city; Ishikari-shicho; Monbetsu-gun of Abashiri-shicho; Kamikawa-shicho; Soya-shicho; Hidaka-shicho; Iburi-shicho (except Usu-gun and Abuta-gun); Sorachi-shicho; Rumoi-shicho

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6680')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6680')
```

Replaces JGD2000 / Japan Plane Rectangular CS XII (CRS code 2454) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XIII

Extent: Japan - onshore - Hokkaido east of approximately 143°E - Kitami city; Obihiro city; Kushiro city; Abashiri city; Nemuro city; Nemuro-shicho; Kushiro-shicho; Abashiri-shicho (except Monbetsu-gun); Tokachi-shicho

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6681')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6681')
```

Replaces JGD2000 / Japan Plane Rectangular CS XIII (CRS code 2455) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XIV

Extent: Japan - onshore - Tokyo-to south of 28°N and between 140°30'E and 143°E

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6682')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6682')
```

Replaces JGD2000 / Japan Plane Rectangular CS IV (CRS code 2456) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XIX

Extent: Japan - onshore - Tokyo-to south of 28°N and east of 143°E - Minamitori-shima (Marcus Island)

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6687')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XIX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6687')
```

Replaces JGD2000 / Japan Plane Rectangular CS XIX (CRS code 2461) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XV

Extent: Japan - onshore - Okinawa-ken between 126°E and 130°E

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6683')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6683')
```

Replaces JGD2000 / Japan Plane Rectangular CS XV (CRS code 2457) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XVI

Extent: Japan - onshore - Okinawa-ken west of 126°E

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6684')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XVI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6684')
```

Replaces JGD2000 / Japan Plane Rectangular CS XVI (CRS code 2458) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XVII

Extent: Japan - onshore Okinawa-ken east of 130°E

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6685')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XVII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6685')
```

Replaces JGD2000 / Japan Plane Rectangular CS XVII (CRS code 2459) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS XVIII

Extent: Japan - onshore - Tokyo-to south of 28°N and west of 140°30'E

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6686')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XVIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6686')
```

Replaces JGD2000 / Japan Plane Rectangular CS XVIII (CRS code 2460) with effect from 21st October 2011.

JGD2011 / UTM zone 51N

Extent: Japan - west of 126°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6688')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6688')
```

Replaces JGD2000 / UTM zone 51N (CRS code 3097) with effect from 21st October 2011.

JGD2011 / UTM zone 52N

Extent: Japan - between 126°E and 132°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6689')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6689')
```

Replaces JGD2000 / UTM zone 52N (CRS code 3098) with effect from 21st October 2011.

JGD2011 / UTM zone 53N

Extent: Japan - between 132°E and 138°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_53N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6690')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_53N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6690')
```

Replaces JGD2000 / UTM zone 53N (CRS code 3099) with effect from 21st October 2011.

JGD2011 / UTM zone 54N

Extent: Japan - between 138°E and 144°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6691')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6691')
```

Replaces JGD2000 / UTM zone 54N (CRS code 3100) with effect from 21st October 2011.

JGD2011 / UTM zone 55N

Extent: Japan - east of 144°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6692')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6692')
```

Replaces JGD2000 / UTM zone 55N (CRS code 3101) with effect from 21st October 2011.

Jamaica 1875 / Jamaica (Old Grid)

Extent: Jamaica - onshore

```
Projected::fromSRID(Projected::EPSG_JAMAICA_1875_JAMAICA_OLD_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24100')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_JAMAICA_1875_JAMAICA_OLD_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24100')
```

Replaced by JAD69 / Jamaica National Grid (CRS code 24200).

KGD2002 / Central Belt

Extent: Republic of Korea (South Korea) - between 126°E and 128°E - mainland and nearshore

```
Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5181')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5181')
```

Introduced 2003, withdrawn 2009-12-31. Replaces Korean 1985 / Central Belt (CRS code 2097) and Korean 1985 / Modified Central Belt (CRS code 5174). Replaced by KGD2002 / Central Belt 2010 (CRS code 5186).

KGD2002 / Central Belt 2010

Extent: Republic of Korea (South Korea) - onshore between 126°E and 128°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_2010)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5186')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5186')
```

Legally mandated CRS from 2010-01-01. Replaces Korean 1985 / Central Belt, Central Belt Jeju, Modified Central Belt, Modified Central Belt Jeju (CRS codes 2097, 5168, 5174 and 5175) and KGD2002 / Central Belt and Central Belt Jeju (CRS codes 5181-82).

KGD2002 / Central Belt Jeju

Extent: Republic of Korea (South Korea) - between 126°E and 128°E - Jeju island onshore

```
Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_JEJU)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5182')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_JEJU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5182')
```

Introduced 2003, withdrawn 2009-12-31. Replaces Korean 1985 / Central Belt Jeju (CRS code 5168) and Korean 1985 / Modified Central Belt Jeju (CRS code 5175). Replaced by KGD2002 / Central Belt 2010 (CRS code 5186).

KGD2002 / East Belt

Extent: Republic of Korea (South Korea) - onshore between 128°E and 130°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_EAST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5183')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_EAST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5183')
```

Introduced 2003, withdrawn 2009-12-31. Replaces Korean 1985 / East Belt (CRS code 2096) and Korean 1985 / Modified East Belt (CRS code 5176). Replaced by KGD2002 / East Belt 2010 (CRS code 5187).

KGD2002 / East Belt 2010

Extent: Republic of Korea (South Korea) - onshore between 128°E and 130°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_EAST_BELT_2010)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5187')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_EAST_BELT_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5187')
```

Legally mandated CRS from 2010-01-01. Replaces Korean 1985 / East Belt (CRS code 2096), Korean 1985 / Modified East Belt (CRS code 5176) and KGD2002 / East Belt (CRS code 5183).

KGD2002 / East Sea Belt

Extent: Republic of Korea (South Korea) - onshore between 130°E and 132°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_EAST_SEA_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5184')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_EAST_SEA_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5184')
```

Introduced 2003, withdrawn 2009-12-31. Replaces Korean 1985 / East Sea Belt (CRS code 5167) and Korean 1985 / Modified East Sea Belt (CRS code 5177). Replaced by KGD2002 / East Sea Belt 2010 (CRS code 5188).

KGD2002 / East Sea Belt 2010

Extent: Republic of Korea (South Korea) - onshore between 130°E and 132°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_EAST_SEA_BELT_2010)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5188')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_EAST_SEA_BELT_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5188')
```

Legally mandated CRS from 2010-01-01. Replaces Korean 1985 / East Sea Belt (CRS code 5167), Korean 1985 / Modified East Sea Belt (CRS code 5177) and KGD2002 / East Sea Belt (CRS code 5184).

KGD2002 / Unified CS

Extent: Republic of Korea (South Korea) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_KGD2002_UNIFIED_CS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5179')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_UNIFIED_CS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5179')
```

Replaces Korean 1985 / Unified CS (CRS code 5178) from 2010.

KGD2002 / West Belt

Extent: Republic of Korea (South Korea) - onshore between 124°E and 126°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_WEST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5180')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_WEST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5180')
```

Introduced 2003, withdrawn 2009-12-31. Replaces Korean 1985 / West Belt (CRS code 2098) and Korean 1985 / Modified West Belt (CRS code 5173). Replaced by KGD2002 / West Belt 2010 (CRS code 5185).

KGD2002 / West Belt 2010

Extent: Republic of Korea (South Korea) - onshore between 124°E and 126°E

```
Projected::fromSRID(Projected::EPSG_KGD2002_WEST_BELT_2010)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5185')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KGD2002_WEST_BELT_2010)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5185')
```

Legally mandated CRS from 2010-01-01. Replaces Korean 1985 / West Belt (CRS code 2098), Korean 1985 / Modified West Belt (CRS code 5173) and KGD2002 / West Belt (CRS code 5180).

KK reconstruction east-orientated

Extent: Denmark - onshore - Copenhagen and surrounding area

```
Projected::fromSRID(Projected::EPSG_KK_RECONSTRUCTION_EAST_ORIENTATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10266')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KK_RECONSTRUCTION_EAST_ORIENTATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10266')
```

Reconstruction defined through transformation ETRS89 to KK-IRF (1) and map projection GS LCC (codes 10267 and 10257) to emulate the historic Københavns Kommunes CRS but with axis direction flip: W (KK) = E (KK e-o) * -1, N (KK) = N (KK e-o).

KKJ / Finland Uniform Coordinate System

Extent: Finland - onshore between 25°30'E and 28°30'E, Finland - onshore

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_UNIFORM_COORDINATE_SYSTEM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KKJ_FINLAND_UNIFORM_COORDINATE_
↪SYSTEM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2393')
```

Known as Uniform Coordinate System (YKJ) when used over all country and also as Basic Coordinate System zone 3 at larger scales.

KKJ / Finland zone 0

Extent: Finland - onshore west of 19°30'E

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_0)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3386')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_0)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3386')
```

KKJ / Finland zone 1

Extent: Finland - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2391')
```

KKJ / Finland zone 2

Extent: Finland - onshore between 22°30'E and 25°30'E

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2392')
```

KKJ / Finland zone 4

Extent: Finland - between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2394')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2394')
```

KKJ / Finland zone 5

Extent: Finland - east of 31°30'E

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3387')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3387')
```

KOC Lambert

Extent: Kuwait - onshore

```
Projected::fromSRID(Projected::EPSG_KOC_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOC_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24600')
```

Used by KOC for exploration but not engineering (see Ain el Abd / UTM zone 38N, code 20438).

KOSOVAREF01 / Balkans zone 7

Extent: Kosovo

```
Projected::fromSRID(Projected::EPSG_KOSOVAREF01_BALKANS_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9141')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOSOVAREF01_BALKANS_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9141')
```

Replaces MGI 1901 / Balkans zone 7 (CRS code 6316) in Kosovo. To differentiate old from new, coordinates in KOSOVAREF01 / Balkans zone 7 may be abbrevated as EK, NK where K is subscripted.

KSA-GRF17 / UTM zone 36N

Extent: Saudi Arabia - onshore and offshore - west of 36°E

```
Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9356')
```

Unified national system replacing Ain el Abd / UTM zone 36N (CRS code 20436) and MTRF-2000 / UTM zone 36N (CRS code 8836) from 2018.

KSA-GRF17 / UTM zone 37N

Extent: Saudi Arabia - onshore and offshore - between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9357')
```

Unified national system replacing Ain el Abd / UTM zone 37N (CRS code 20437) and MTRF-2000 / UTM zone 37N (CRS code 8837) from 2018.

KSA-GRF17 / UTM zone 38N

Extent: Saudi Arabia - onshore and offshore - between of 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9358')
```

Unified national system replacing Ain el Abd / UTM zone 38N (CRS code 20438) and MTRF-2000 / UTM zone 38N (CRS code 8838) from 2018.

KSA-GRF17 / UTM zone 39N

Extent: Saudi Arabia - onshore and offshore - between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9359')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9359')
```

Unified national system replacing Ain el Abd / UTM zone 39N (CRS code 20439) and MTRF-2000 / UTM zone 39N (CRS code 8839) from 2018.

KSA-GRF17 / UTM zone 40N

Extent: Saudi Arabia - east of 54°E

```
Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9360')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9360')
```

Unified national system replacing Ain el Abd / UTM zone 40N (CRS code 20440) and MTRF-2000 / UTM zone 40N (CRS code 8840) from 2018.

KUDAMS / KTM

Extent: Kuwait - Kuwait City

```
Projected::fromSRID(Projected::EPSG_KUDAMS_KTM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31901')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KUDAMS_KTM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31901')
```

Kalianpur 1880 / India zone 0

Extent: Pakistan - north of 35°35'N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_0)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24370')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_0)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24370')
```

Kalianpur 1880 / India zone I

Extent: India - north of 28°N; Pakistan - between 28°N and 35°35'N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24371')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24371')
```

Kalianpur 1880 / India zone IIIa

Extent: India - onshore between 15°N and 21°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24373')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24373')
```

Kalianpur 1880 / India zone IIa

Extent: India - onshore between 21°N and 28°N and west of 82°E; Pakistan - onshore south of 28°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24372')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24372')
```

Kalianpur 1880 / India zone IIb

Extent: Bangladesh - onshore north of 21°N; India - onshore north of 21°N and east of 82°E; Myanmar (Burma) - north of 21°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIB)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24382')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIB)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24382')
```

Kalianpur 1880 / India zone IVa

Extent: India - mainland onshore south of 15°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IVA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24374')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IVA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24374')
```

Kalianpur 1937 / India zone IIb

Extent: Bangladesh - onshore

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_INDIA_ZONE_IIB)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24375')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1937_INDIA_ZONE_IIB)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24375')
```

Used by Survey of Bangladesh since metrication to end of 1994. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and Benoit's 1895 British inch-metre ratio of 39.370115 rounded as Ind ft = 0.30479841m exactly.

Kalianpur 1937 / UTM zone 45N

Extent: Bangladesh - onshore west of 90°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_45N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_45N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24305')
```

Kalianpur 1937 / UTM zone 46N

Extent: Bangladesh - onshore east of 90°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24306')
```

Kalianpur 1962 / India zone I

Extent: Pakistan - between 28°N and 35°35'N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24376')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24376')
```

Used by Pakistan since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded by G.Bomford with slight error as Ind ft = 0.3047996m exactly.

Kalianpur 1962 / India zone IIa

Extent: Pakistan - onshore south of 28°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_IIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24377')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_IIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24377')
```

Used by Pakistan since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded by G.Bomford with slight error as Ind ft = 0.3047996m exactly.

Kalianpur 1962 / UTM zone 41N

Extent: Pakistan - onshore west of 66°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24311')
```

Kalianpur 1962 / UTM zone 42N

Extent: Pakistan - onshore between 66°E and 72°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_42N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_42N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24312')
```

Kalianpur 1962 / UTM zone 43N

Extent: Pakistan - east of 72°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_43N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_43N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24313')
```

Kalianpur 1975 / India zone I

Extent: India - north of 28°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24378')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24378')
```

Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Kalianpur 1975 / India zone IIIa

Extent: India - onshore between 15°N and 21°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24381')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24381')
```

Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Kalianpur 1975 / India zone IIa

Extent: India - onshore between 21°N and 28°N and west of 82°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24379')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24379')
```

Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Kalianpur 1975 / India zone IIb

Extent: India - onshore north of 21°N and east of 82°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIB)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24380')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIB)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24380')
```

Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Kalianpur 1975 / India zone IVa

Extent: India - mainland onshore south of 15°N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IVA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IVA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24383')
```

Used by India since metrication. Metric conversion applies A.R.Clarke's Indian foot-British foot ratio of 0.99999566 and J.S.Clark's 1865 British inch-metre ratio of 39.369971 rounded as 1 Ind ft = 0.3047995m exactly.

Kalianpur 1975 / UTM zone 42N

Extent: India - onshore west of 72°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_42N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_42N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24342')
```

Kalianpur 1975 / UTM zone 43N

Extent: India - mainland onshore between 72°E and 78°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_43N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_43N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24343')
```

Kalianpur 1975 / UTM zone 44N

Extent: India - onshore between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_44N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_44N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24344')
```

Kalianpur 1975 / UTM zone 45N

Extent: India - onshore between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_45N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_45N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24345')
```

Kalianpur 1975 / UTM zone 46N

Extent: India - mainland onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24346')
```

Kalianpur 1975 / UTM zone 47N

Extent: India - east of 96°E

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24347')
```

Kandawala / Sri Lanka Grid

Extent: Sri Lanka - onshore

```
Projected::fromSRID(Projected::EPSG_KANDAWALA_SRI_LANKA_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5234')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KANDAWALA_SRI_LANKA_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5234')
```

Karbala 1979 / Iraq National Grid

Extent: Iraq - onshore

```
Projected::fromSRID(Projected::EPSG_KARBALA_1979_IRAQ_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6646')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KARBALA_1979_IRAQ_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6646')
```

Karbala 1979 / UTM zone 37N

Extent: Iraq - west of 42°E

```
Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3391')
```

Replaces Nahrwan 1934 / UTM zone 37N (CRS code 7005). Replaced by IGRS / UTM zone 37N (CRS code 3890). At time of record population, information regarding usage within oil sector is not available.

Karbala 1979 / UTM zone 38N

Extent: Iraq - between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3392')
```

Replaces Nahrwan 1934 / UTM zone 38N (projCRS code 7006). Replaced by IGRS / UTM zone 38N (CRS code 3891). At time of record population, information regarding usage within oil sector is not available.

Karbala 1979 / UTM zone 39N

Extent: Iraq - onshore east of 48°E

```
Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3393')
```

Replaces Nahrwan 1934 / UTM zone 39N (projCRS code 7007). Replaced by IGRS / UTM zone 39N (CRS code 3892). At time of record population, information regarding usage within oil sector is not available.

Kasai 1953 / Congo TM zone 22

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 21°30'E and 23°E

```
Projected::fromSRID(Projected::EPSG_KASAI_1953_CONGO_TM_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KASAI_1953_CONGO_TM_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3316')
```

Kasai 1953 / Congo TM zone 24

Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse between 23°E and 25°E

```
Projected::fromSRID(Projected::EPSG_KASAI_1953_CONGO_TM_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KASAI_1953_CONGO_TM_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3317')
```

Katanga 1955 / Katanga Gauss zone A

Extent: The Democratic Republic of the Congo (Zaire) - Katanga east of 28°30'E

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_A)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3986')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_A)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3986')
```

Katanga 1955 / Katanga Gauss zone B

Extent: The Democratic Republic of the Congo (Zaire) - Katanga between 26°30'E and 29°30'E

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_B)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3987')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_B)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3987')
```

Katanga 1955 / Katanga Gauss zone C

Extent: The Democratic Republic of the Congo (Zaire) - Katanga between 24°30'E and 27°30'E

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_C)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3988')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_C)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3988')
```

Katanga 1955 / Katanga Gauss zone D

Extent: The Democratic Republic of the Congo (Zaire) - Katanga west of 25°30'E

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_D)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3989')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_D)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3989')
```

Katanga 1955 / Katanga Lambert

Extent: The Democratic Republic of the Congo (Zaire) - Katanga

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4415')
```

Kertau (RSO) / RSO Malaya (ch)

Extent: Malaysia - West Malaysia onshore

```
Projected::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_CH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3167')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_CH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3167')
```

See Kertau (RSO) / RSO Malaya (m) (CRS code 3168) for metric equivalent. Replaced by GDM2000 / Peninsula RSO (CRS code 3375).

Kertau (RSO) / RSO Malaya (m)

Extent: Malaysia - West Malaysia onshore

```
Projected::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3168')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3168')
```

Adopts metric conversion of 0.914398 metres per yard. See Kertau (RSO) / RSO Malaya (ch) (CRS code 3168) for Imperial version. Replaced by GDM2000 / Peninsula RSO (CRS code 3375).

Kertau 1968 / Johor Grid

Extent: Malaysia - West Malaysia - Johor

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_JOHOR_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4390')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_JOHOR_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4390')
```

Replaced by GDM2000 / Johor Grid (CRS code 3377).

Kertau 1968 / Kedah and Perlis Grid

Extent: Malaysia - West Malaysia - Kedah and Perlis

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_KEDAH_AND_PERLIS_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4396')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_KEDAH_AND_PERLIS_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4396')
```

Replaced by GDM2000 / Kedah and Perlis Grid (CRS code 3383).

Kertau 1968 / Kelantan Grid

Extent: Malaysia - West Malaysia - Kelantan

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_KELANTAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4398')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_KELANTAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4398')
```

Replaced by GDM2000 / Kelantan Grid (CRS code 3385).

Kertau 1968 / Pahang Grid

Extent: Malaysia - West Malaysia - Pahang

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_PAHANG_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_PAHANG_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4392')
```

Replaced by GDM2000 / Pahang Grid (CRS code 3379).

Kertau 1968 / Perak Revised Grid

Extent: Malaysia - West Malaysia - Perak

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_PERAK_REVISED_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4397')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_PERAK_REVISED_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4397')
```

Replaces Kertau 1968 / Perak Grid. Replaced by GDM2000 / Perak Grid (CRS code 3384).

Kertau 1968 / Pinang Grid

Extent: Malaysia - West Malaysia - Pulau Pinang - Pinang (Penang) Island and Seberang Perai (Province Wellesley)

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_PINANG_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_PINANG_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4395')
```

Replaced by GDM2000 / Pinang Grid (CRS code 3382).

Kertau 1968 / Selangor Grid

Extent: Malaysia - West Malaysia - Selangor

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_SELANGOR_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_SELANGOR_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4393')
```

Replaced by GDM2000 / Selangor Grid (CRS code 3380).

Kertau 1968 / Sembilan and Melaka Grid

Extent: Malaysia - West Malaysia - Negeri Sembilan and Melaka

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_SEMBILAN_AND_MELAKA_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_SEMBILAN_AND_MELAKA_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4391')
```

Replaced by GDM2000 / Sembilan and Melaka Grid (CRS code 3378).

Kertau 1968 / Singapore Grid

Extent: Singapore - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_SINGAPORE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_SINGAPORE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24500')
```

For cadastral purposes, replaced by SVY21 / Singapore TM (CRS code 3414) from August 2004.

Kertau 1968 / Terengganu Grid

Extent: Malaysia - West Malaysia - Terengganu

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_TERENGGANU_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4394')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_TERENGGANU_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4394')
```

Replaced by GDM2000 / Terengganu Grid (CRS code 3381).

Kertau 1968 / UTM zone 47N

Extent: Malaysia - West Malaysia onshore west of 102°E

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24547')
```

Kertau 1968 / UTM zone 48N

Extent: Malaysia - onshore West Malaysia east of 102°E and offshore east coast

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24548')
```

Korean 1985 / Central Belt

Extent: Republic of Korea (South Korea) - between 126°E and 128°E - mainland and nearshore

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2097')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2097')
```

Replaces Tokyo 1892 / Korea Central Belt (CRS code 5170). Although it was intended that the grids were for most practical purposes coincident, a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified Central Belt (code 5174).

Korean 1985 / Central Belt Jeju

Extent: Republic of Korea (South Korea) - between 126°E and 128°E - Jeju island onshore

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT_JEJU)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5168')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT_JEJU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5168')
```

Introduced to replace Korean 1985 / Central Belt (CRS code 2097) on Jeju to avoid negative northing coordinates. Replaced by Korean 1985 / Modified Central Belt Jeju (code 5175).

Korean 1985 / East Belt

Extent: Republic of Korea (South Korea) - onshore between 128°E and 130°E

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_EAST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2096')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_EAST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2096')
```

Replaces Tokyo 1892 / Korea East Belt (CRS code 5171). Although it was intended that the grids were for most practical purposes coincident, a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified East Belt (CRS code 5176).

Korean 1985 / East Sea Belt

Extent: Republic of Korea (South Korea) - onshore between 130°E and 132°E

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_EAST_SEA_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5167')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_EAST_SEA_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5167')
```

Replaces Tokyo 1892 / Korea East Sea Belt (CRS code 5172). Although it was intended that the grids were for most practical purposes coincident a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified East Sea Belt (code 5177).

Korean 1985 / Modified Central Belt

Extent: Republic of Korea (South Korea) - between 126°E and 128°E - mainland and nearshore

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_CENTRAL_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5174')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_CENTRAL_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5174')
```

Unofficial system replacing Korean 1985 / Central Belt (code 2097) to correct 10.405" longitude difference and make grid for most practical purposes coincident with Tokyo 1892 / Central Belt (code 5170). Replaced by KGD2002 / Central Belt (code 5181).

Korean 1985 / Modified Central Belt Jeju

Extent: Republic of Korea (South Korea) - between 126°E and 128°E - Jeju island onshore

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_CENTRAL_BELT_JEJU)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5175')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_CENTRAL_BELT_
↪JEJU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5175')
```

Unofficial system replacing Korean 1985 / Central Belt Jeju (code 5168) to correct 10.405" longitude difference. Replaced by KGD2002 / Central Belt Jeju (code 5182).

Korean 1985 / Modified East Belt

Extent: Republic of Korea (South Korea) - onshore between 128°E and 130°E

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_EAST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5176')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_EAST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5176')
```

Unofficial system replacing Korean 1985 / East Belt (code 2096) to correct 10.405” longitude difference and make grid for most practical purposes coincident with Tokyo 1892 / East Belt (code 5171). Replaced by KGD2002 / East Belt (code 5183).

Korean 1985 / Modified East Sea Belt

Extent: Republic of Korea (South Korea) - onshore between 130°E and 132°E

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_EAST_SEA_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5177')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_EAST_SEA_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5177')
```

Unofficial system replacing Korean 1985 / E Sea Belt (code 5167) to correct 10.405” longitude difference and make grid for most practical purposes coincident with Tokyo 1892 / E Sea Belt (code 5172). Replaced by KGD2002 / East Sea Belt (code 5184).

Korean 1985 / Modified West Belt

Extent: Republic of Korea (South Korea) - onshore between 124°E and 126°E

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_WEST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5173')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_WEST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5173')
```

Unofficial system replacing Korean 1985 / West Belt (code 2098) to correct 10.405” longitude difference and make grid for most practical purposes coincident with Tokyo 1892 / West Belt (code 5169). Replaced by KGD2002 / West Belt (code 5180).

Korean 1985 / Unified CS

Extent: Republic of Korea (South Korea) - onshore

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_UNIFIED_CS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5178')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_UNIFIED_CS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5178')
```

Introduced in 2004. From 2010 replaced by KGD2002 / Unified CS (CRS code 5179).

Korean 1985 / West Belt

Extent: Republic of Korea (South Korea) - onshore between 124°E and 126°E

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_WEST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2098')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOREAN_1985_WEST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2098')
```

Replaces Tokyo 1892 / Korea West Belt (CRS code 5169). Although it was intended that the grids were for most practical purposes coincident, a 10.405" (250m) longitude offset was introduced. Replaced by Korean 1985 / Modified West Belt (CRS code 5173).

Kousseri / UTM zone 33N

Extent: Cameroon - N'Djamena area

```
Projected::fromSRID(Projected::EPSG_KOUSSERI_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KOUSSERI_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2313')
```

Kyrg-06 / zone 1

Extent: Kyrgyzstan - west of 70°01'E

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7692')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KYRG_06_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7692')
```

In use from October 2010.

Kyrg-06 / zone 2

Extent: Kyrgyzstan - between 70°01'E and 73°01'E

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7693')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KYRG_06_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7693')
```

In use from October 2010.

Kyrg-06 / zone 3

Extent: Kyrgyzstan - between 73°01'E and 76°01'E

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7694')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KYRG_06_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7694')
```

In use from October 2010.

Kyrg-06 / zone 4

Extent: Kyrgyzstan - between 76°01'E and 79°01'E

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7695')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KYRG_06_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7695')
```

In use from October 2010.

Kyrg-06 / zone 5

Extent: Kyrgyzstan - east of 79°01'E

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7696')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_KYRG_06_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7696')
```

In use from October 2010.

LGD2006 / Libya TM

Extent: Libya - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3177')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3177')
```

LGD2006 / Libya TM zone 10

Extent: Libya - onshore between 18°E and 20°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3195')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3195')
```

LGD2006 / Libya TM zone 11

Extent: Libya - onshore between 20°E and 22°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3196')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3196')
```

LGD2006 / Libya TM zone 12

Extent: Libya - onshore between 22°E and 24°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3197')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3197')
```

LGD2006 / Libya TM zone 13

Extent: Libya - onshore east of 24°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3198')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3198')
```

LGD2006 / Libya TM zone 5

Extent: Libya - west of 10°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3190')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3190')
```

LGD2006 / Libya TM zone 6

Extent: Libya - onshore between 10°E and 12°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3191')
```

LGD2006 / Libya TM zone 7

Extent: Libya - onshore between 12°E and 14°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3192')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3192')
```

LGD2006 / Libya TM zone 8

Extent: Libya - onshore between 14°E and 16°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3193')
```

LGD2006 / Libya TM zone 9

Extent: Libya - onshore between 16°E and 18°E

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3194')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3194')
```

LGD2006 / UTM zone 32N

Extent: Libya - west of 12°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3199')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3199')
```

LGD2006 / UTM zone 33N

Extent: Libya - between 12°E and 18°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3201')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3201')
```

LGD2006 / UTM zone 34N

Extent: Libya - between 18°E and 24°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3202')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3202')
```

LGD2006 / UTM zone 35N

Extent: Libya - east of 24°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3203')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3203')
```

LKS-2020 / Latvia TM

Extent: Latvia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LKS_2020_LATVIA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LKS_2020_LATVIA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10306')
```

Replaces LKS-92 / Latvia TM (CRS code 3059).

LKS-92 / Latvia TM

Extent: Latvia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LKS_92_LATVIA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3059')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LKS_92_LATVIA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3059')
```

Replaced by LKS-2020 / Latvia TM (CRS code 10306). ETRS89 / TM Baltic (CRS code 25884) used for medium and small scale applications across the Baltic states.

LKS94 / Lithuania TM

Extent: Lithuania - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LKS94_LITHUANIA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LKS94_LITHUANIA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3346')
```

LKS94 / TM Baltic (CRS code 25884) used for medium and small scale applications.

LTF2004(C)

Extent: France and Italy - on or related to the rail route from Lyon to Turin

```
Projected::fromSRID(Projected::EPSG_LTF2004_C)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LTF2004_C)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9549')
```

LUREF / Luxembourg TM

Extent: Luxembourg

```
Projected::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2169')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2169')
```

LUREF / Luxembourg TM (3D)

Extent: Luxembourg

```
Projected::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM_3D)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9895')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM_3D)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9895')
```

The height error in assuming that the CS is Cartesian never exceeds 2mm per 100m height in Luxembourg. The ellipsoidal height approximates NG95 height to 5-15cm. For engineering and other applications requiring physical height use compound CRS code 9897.

La Canoa / UTM zone 18N

Extent: Venezuela - west of 72°W

```
Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24718')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24718')
```

Sometimes referred to as PSAD56 / UTM zone 18N.

La Canoa / UTM zone 19N

Extent: Venezuela - between 72°W and 66°W, onshore

```
Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24719')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24719')
```

Sometimes referred to as PSAD56 / UTM zone 19N.

La Canoa / UTM zone 20N

Extent: Venezuela - onshore east of 66°W

```
Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24720')
```

Sometimes referred to as PSAD56 / UTM zone 20N.

Lake / Maracaibo Grid

Extent: Venezuela - Maracaibo area, onshore and offshore in lake

```
Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2102')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2102')
```

Grid coordinates are (200000 200000) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Used for Lake triangulation coordinate listing.

Lake / Maracaibo Grid M1

Extent: Venezuela - Maracaibo area, onshore and offshore in lake

```
Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2101')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2101')
```

Grid coordinates are (0 0) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Used by Creole; MGO and Sun.

Lake / Maracaibo Grid M3

Extent: Venezuela - Maracaibo area, onshore and offshore in lake

```
Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2103')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2103')
```

Grid coordinates are (500000 500000) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Used by Varco.

Lake / Maracaibo La Rosa Grid

Extent: Venezuela - Maracaibo area offshore blocks I, II and III

```
Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_LA_ROSA_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2104')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LAKE_MARACAIBO_LA_ROSA_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2104')
```

Grid coordinates are (X=-17044 Y=29545) at Maracaibo Cathedral (10°38'34.678"N, 71°36'20.224"W; Lake datum). Do not confuse with the La Rosa grid used in the Cabinas area (code 5810).

Le Pouce 1934 / Mauritius Grid

Extent: Mauritius - mainland onshore

```
Projected::fromSRID(Projected::EPSG_LE_POUCE_1934_MAURITIUS_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LE_POUCE_1934_MAURITIUS_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3337')
```

Leigon / Ghana Metre Grid

Extent: Ghana - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LEIGON_GHANA_METRE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25000')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LEIGON_GHANA_METRE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25000')
```

Replaced Accra / Ghana National Grid (code 2136) in 1978.

Lisbon (Lisbon) / Portuguese Grid

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20791')
```

Replaced by definition using Greenwich meridian, CRS code 5018.

Lisbon (Lisbon) / Portuguese National Grid

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20790')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_NATIONAL_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20790')
```

Lisbon / Portuguese Grid New

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_LISBON_PORTUGUESE_GRID_NEW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5018')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LISBON_PORTUGUESE_GRID_NEW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5018')
```

Replaces original definition using Lisbon meridian, CRS code 20791.

Lisbon 1890 (Lisbon) / Portugal Bonne

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_LISBON_1890_LISBON_PORTUGAL_BONNE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2963')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LISBON_1890_LISBON_PORTUGAL_BONNE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2963')
```

Replaced by definition using Greenwich meridian, CRS code 5017.

Lisbon 1890 / Portugal Bonne New

Extent: Portugal - mainland - onshore

```
Projected::fromSRID(Projected::EPSG_LISBON_1890_PORTUGAL_BONNE_NEW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LISBON_1890_PORTUGAL_BONNE_NEW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5017')
```

Replaces original definition using Lisbon meridian, CRS code 2963.

Locodjo 1965 / TM 5 NW

Extent: Côte d'Ivoire (Ivory Coast) - offshore

```
Projected::fromSRID(Projected::EPSG_LOCODJO_1965_TM_5_NW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2164')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LOCODJO_1965_TM_5_NW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2164')
```

Locodjo 1965 / UTM zone 29N

Extent: Côte d'Ivoire (Ivory Coast) west of 6°W

```
Projected::fromSRID(Projected::EPSG_LOCODJO_1965_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2042')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LOCODJO_1965_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2042')
```

Replaced by Abidjan 87 / UTM 29N (EPSG code 2043).

Locodjo 1965 / UTM zone 30N

Extent: Côte d'Ivoire (Ivory Coast) east of 6°W

```
Projected::fromSRID(Projected::EPSG_LOCODJO_1965_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2040')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LOCODJO_1965_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2040')
```

Replaced by Abidjan 87 / UTM 30N (EPSG code 2041).

Lome / UTM zone 31N

Extent: Togo - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_LOME_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LOME_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25231')
```

Luzon 1911 / Philippines zone I

Extent: Philippines - onshore west of 118°E

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25391')
```

Replaced by PRS92 / Philippines zone 1 (CRS code 3121).

Luzon 1911 / Philippines zone II

Extent: Philippines - onshore approximately between 118°E and 120°E - Palawan; Calamian Islands

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25392')
```

Replaced by PRS92 / Philippines zone 2 (CRS code 3122).

Luzon 1911 / Philippines zone III

Extent: Philippines - onshore approximately between 120°E and 122°E. Luzon (west of 122°E); Mindoro

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25393')
```

Replaced by PRS92 / Philippines zone 3 (CRS code 3123).

Luzon 1911 / Philippines zone IV

Extent: Philippines - onshore approximately between 122°E and 124°E - southeast Luzon (east of 122°E); Tablas; Masbate; Panay; Cebu; Negros; northwest Mindanao (west of 124°E)

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25394')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25394')
```

Replaced by PRS92 / Philippines zone 4 (CRS code 3124).

Luzon 1911 / Philippines zone V

Extent: Philippines - onshore approximately between 124°E and 126°E - east Mindanao (east of 124°E); Bohol; Samar

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25395')
```

Replaced by PRS92 / Philippines zone 5 (CRS code 3125).

M'poraloko / UTM zone 32N

Extent: Gabon - onshore north of equator and west of 12°E

```
Projected::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26632')
```

M'poraloko / UTM zone 32S

Extent: Gabon - west of 12°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26692')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26692')
```

MAGNA-SIRGAS / Arauca urban grid

Extent: Colombia - Arauca city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARAUCA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6244')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARAUCA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6244')
```

MAGNA-SIRGAS / Armenia urban grid

Extent: Colombia - Armenia city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARMENIA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6245')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARMENIA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6245')
```

MAGNA-SIRGAS / Barranquilla urban grid

Extent: Colombia - Barranquilla city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BARRANQUILLA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6246')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BARRANQUILLA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6246')
```

MAGNA-SIRGAS / Bogota urban grid

Extent: Colombia - Bogota DC city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BOGOTA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BOGOTA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6247')
```

MAGNA-SIRGAS / Bucaramanga urban grid

Extent: Colombia - Bucaramanga city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BUCARAMANGA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6248')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BUCARAMANGA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6248')
```

MAGNA-SIRGAS / Cali urban grid

Extent: Colombia - Cali city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CALI_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CALI_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6249')
```

MAGNA-SIRGAS / Cartagena urban grid

Extent: Colombia - Cartagena city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CARTAGENA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CARTAGENA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6250')
```

MAGNA-SIRGAS / Colombia Bogota zone

Extent: Colombia - onshore between 1°30'W and 1°30'E of Bogota (approximately 75°35'W and 72°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_BOGOTA_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_BOGOTA_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3116')
```

Replaces Bogota 1975 / Colombia Bogota zone (CRS code 21897). Replaced by MAGNA-SIRGAS 2018 / Colombia Bogota zone (CRS code 11116). MAGNA-SIRGAS 2018 / Origen-Nacional should be used for national topographic mapping.

MAGNA-SIRGAS / Colombia East Central zone

Extent: Colombia - onshore between 1°30'E and 4°30'E of Bogota (approximately 72°35'W and 69°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_CENTRAL_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_CENTRAL_
↪ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3117')
```

Replaces Bogota 1975 / Colombia East Central zone (CRS code 21898). Replaced by MAGNA-SIRGAS 2018 / Colombia East Central zone (CRS code 11117).

MAGNA-SIRGAS / Colombia East zone

Extent: Colombia - east of 4°30'E of Bogota (approximately 69°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3118')
```

Replaces Bogota 1975 / Colombia East zone (CRS code 21899). Replaced by MAGNA-SIRGAS 2018 / Colombia East zone (CRS code 11118).

MAGNA-SIRGAS / Colombia Far West zone

Extent: Colombia - mainland onshore west of 4°30'W of Bogota (approximately 78°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_FAR_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_FAR_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3114')
```

Partially replaces Bogota 1975 / Colombia West zone (CRS code 21896). Replaced by MAGNA-SIRGAS 2018 / Colombia Far West zone (CRS code 11114).

MAGNA-SIRGAS / Colombia West zone

Extent: Colombia - onshore between 4°30'W and 1°30'W of Bogota (approximately 78°35'W and 75°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3115')
```

Partially replaces Bogota 1975 / Colombia West zone (CRS code 21896). Replaced by MAGNA-SIRGAS 2018 / Colombia West zone (CRS code 11115).

MAGNA-SIRGAS / Cucuta urban grid

Extent: Colombia - Cucuta city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CUCUTA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CUCUTA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6251')
```

MAGNA-SIRGAS / Florencia urban grid

Extent: Colombia - Florencia city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_FLORENCIA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_FLORENCIA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6252')
```

MAGNA-SIRGAS / Ibague urban grid

Extent: Colombia - Ibague city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_IBAGUE_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_IBAGUE_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6253')
```

MAGNA-SIRGAS / Inirida urban grid

Extent: Colombia - Inirida city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_INIRIDA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_INIRIDA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6254')
```

MAGNA-SIRGAS / Leticia urban grid

Extent: Colombia - Leticia city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_LETICIA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_LETICIA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6255')
```

MAGNA-SIRGAS / Manizales urban grid

Extent: Colombia - Manizales city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MANIZALES_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MANIZALES_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6256')
```

MAGNA-SIRGAS / Medellin urban grid

Extent: Colombia - Medellin city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MEDELLIN_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MEDELLIN_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6257')
```

MAGNA-SIRGAS / Mitu urban grid

Extent: Colombia - Mitu city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MITU_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MITU_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6258')
```

MAGNA-SIRGAS / Mocoa urban grid

Extent: Colombia - Mocoa city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MOCOA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MOCOA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6259')
```

MAGNA-SIRGAS / Monteria urban grid

Extent: Colombia - Monteria city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MONTERIA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MONTERIA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6260')
```

MAGNA-SIRGAS / Neiva urban grid

Extent: Colombia - Neiva city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_NEIVA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6261')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_NEIVA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6261')
```

MAGNA-SIRGAS / Pasto urban grid

Extent: Colombia - Pasto city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PASTO_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PASTO_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6262')
```

MAGNA-SIRGAS / Pereira urban grid

Extent: Colombia - Pereira city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PEREIRA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6263')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PEREIRA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6263')
```

MAGNA-SIRGAS / Popayan urban grid

Extent: Colombia - Popayan city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_POPAYAN_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6264')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_POPAYAN_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6264')
```

MAGNA-SIRGAS / Puerto Carreno urban grid

Extent: Colombia - Puerto Carreno city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PUERTO_CARRENO_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6265')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PUERTO_CARRENO_URBAN_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6265')
```

MAGNA-SIRGAS / Quibdo urban grid

Extent: Colombia - Quibdo city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_QUIBDO_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6266')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_QUIBDO_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6266')
```

MAGNA-SIRGAS / Riohacha urban grid

Extent: Colombia - Riohacha city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_RIOHACHA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6267')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_RIOHACHA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6267')
```

MAGNA-SIRGAS / San Andres urban grid

Extent: Colombia - San Andres city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_ANDRES_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6268')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_ANDRES_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6268')
```

MAGNA-SIRGAS / San Jose del Guaviare urban grid

Extent: Colombia - San Jose del Guaviare city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_JOSE_DEL_GUAVIARE_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6269')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_JOSE_DEL_GUAVIARE_
↪URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6269')
```

MAGNA-SIRGAS / Santa Marta urban grid

Extent: Colombia - Santa Marta city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SANTA_MARTA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6270')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SANTA_MARTA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6270')
```

MAGNA-SIRGAS / Sucre urban grid

Extent: Colombia - Sucre city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SUCRE_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6271')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SUCRE_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6271')
```

MAGNA-SIRGAS / Tunja urban grid

Extent: Colombia - Tunja city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_TUNJA_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6272')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_TUNJA_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6272')
```

MAGNA-SIRGAS / Valledupar urban grid

Extent: Colombia - Valledupar city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VALLEDUPAR_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6273')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VALLEDUPAR_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6273')
```

MAGNA-SIRGAS / Villavicencio urban grid

Extent: Colombia - Villavicencio city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VILLAVICENCIO_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6274')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VILLAVICENCIO_URBAN_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6274')
```

MAGNA-SIRGAS / Yopal urban grid

Extent: Colombia - Yopal city

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_YOPAL_URBAN_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_YOPAL_URBAN_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6275')
```

MAGNA-SIRGAS 2018 / Colombia Bogota zone

Extent: Colombia - onshore between 1°30'W and 1°30'E of Bogota (approximately 75°35'W and 72°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_BOGOTA_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::11116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_BOGOTA_
↪ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::11116')
```

Replaces MAGNA-SIRGAS / Colombia Bogota zone (CRS code 3116). MAGNA-SIRGAS 2018 / Origen-Nacional should be used for national topographic mapping.

MAGNA-SIRGAS 2018 / Colombia East Central zone

Extent: Colombia - onshore between 1°30'E and 4°30'E of Bogota (approximately 72°35'W and 69°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_CENTRAL_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::11117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_
↪CENTRAL_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::11117')
```

Replaces MAGNA-SIRGAS / Colombia East Central zone (CRS code 3117).

MAGNA-SIRGAS 2018 / Colombia East zone

Extent: Colombia - east of 4°30'E of Bogota (approximately 69°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::11118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::11118')
```

Replaces MAGNA-SIRGAS / Colombia East zone (CRS code 3118).

MAGNA-SIRGAS 2018 / Colombia Far West zone

Extent: Colombia - mainland onshore west of 4°30'W of Bogota (approximately 78°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_FAR_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::11114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_FAR_WEST_
↪ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::11114')
```

Replaces MAGNA-SIRGAS / Colombia Far West zone (CRS code 3114).

MAGNA-SIRGAS 2018 / Colombia West zone

Extent: Colombia - onshore between 4°30'W and 1°30'W of Bogota (approximately 78°35'W and 75°35'W of Greenwich)

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::11115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::11115')
```

Replaces MAGNA-SIRGAS / Colombia West zone (CRS code 3115).

MAGNA-SIRGAS 2018 / Origen-Nacional

Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_ORIGEN_NACIONAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9377')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_ORIGEN_NACIONAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9377')
```

Used for the Multipurpose Cadastre and to support GIS-based land administration. Originally described using "MAGNA-SIRGAS" as base CRS, but redefined by IGAC using "MAGNA-SIRGAS 2018". 0.3m difference not significant for quoted usage.

MALS09 Grid

Extent: United Kingdom (UK) - on or related to the rail route from London (Marylebone) to Leamington Spa

```
Projected::fromSRID(Projected::EPSG_MALS09_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10227')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MALS09_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10227')
```

Defined through transformation ETRS89 to MALS09-IRF (1) (code 10225) and map projection MALS09-TM (code 10226). Emulates the MALS09 Snake projection applied to ETRS89 as realized through OSNet 2009.

MARGEN / UTM zone 19S

Extent: Bolivia - west of 66°W

```
Projected::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5356')
```

Replaces PSAD56 / UTM zone 19S (CRS code 24879) in Bolivia.

MARGEN / UTM zone 20S

Extent: Bolivia between 66°W and 60°W

```
Projected::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5355')
```

Replaces PSAD56 / UTM zone 20S (CRS code 24880) in Bolivia.

MARGEN / UTM zone 21S

Extent: Bolivia - east of 60°W

```
Projected::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5357')
```

Replaces PSAD56 / UTM zone 21S (CRS code 24881) in Bolivia.

MGI (Ferro) / Austria Central Zone

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_CENTRAL_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31282')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_CENTRAL_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31282')
```

Also known as "Gebrauchsnetz M31". See MGI / Austria Central (CRS code 9272) for equivalent Greenwich-based system used for BEV Geoportal. For other uses see MGI (Ferro) / M31 (alias Bundesmeldenetz M31) (CRS code 31289).

MGI (Ferro) / Austria East Zone

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_EAST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31283')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_EAST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31283')
```

Also known as "Gebrauchsnetz M34". See MGI / Austria East (CRS code 9273) for equivalent Greenwich-based system used for BEV Geoportal. For other uses see MGI (Ferro) / M34 (alias Bundesmeldenetz M34) (CRS code 31290).

MGI (Ferro) / Austria GK Central Zone

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_CENTRAL_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_CENTRAL_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31252')
```

MGI (Ferro) / Austria Central Zone (CRS code 31282) with reduced northing. See CRS code 31255 for equivalent referenced to Greenwich meridian.

MGI (Ferro) / Austria GK East Zone

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_EAST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_EAST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31253')
```

MGI (Ferro) / Austria East Zone (CRS code 31283) with reduced northing. See CRS code 31256 for equivalent referenced to Greenwich meridian.

MGI (Ferro) / Austria GK West Zone

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31251')
```

MGI (Ferro) / Austria West Zone (CRS code 31281) with reduced northing. See CRS code 31254 for equivalent referenced to Greenwich meridian.

MGI (Ferro) / Austria West Zone

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31281')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31281')
```

Also known as "Gebrauchsnetz M28". See MGI / Austria West (CRS code 9271) for equivalent Greenwich-based system used for BEV Geoportal. For other uses see MGI (Ferro) / Austria zone M28 (alias Bundesmeldenetz M28) (CRS code 31288).

MGI (Ferro) / Austria zone M28

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31288')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31288')
```

Also known as Bundesmeldenetz. For equivalent using Greenwich meridian see MGI / Austria M28 (code 31284). For cadastral survey see MGI (Ferro) / Austria West Zone (alias Gebrauchsnetz M28) (EPSG code 31281).

MGI (Ferro) / Austria zone M31

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31289')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31289')
```

Also known as Bundesmeldenetz. For equivalent using Greenwich meridian see MGI / Austria M31 (code 31285). For cadastral survey see MGI (Ferro) / Austria Central Zone (alias Gebrauchsnetz M31) (EPSG code 31282).

MGI (Ferro) / Austria zone M34

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31290')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31290')
```

Also known as Bundesmeldenetz. For equivalent using Greenwich meridian see MGI / Austria M34 (code 31286). For cadastral survey see MGI (Ferro) / Austria East Zone (alias Gebrauchsnetz M34) (EPSG code 31283).

MGI / Austria Central

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9272')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9272')
```

Greenwich equivalent of MGI (Ferro) / Austria Central Zone (alias Gebrauchsnetz) (EPSG code 31282).

MGI / Austria East

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9273')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9273')
```

Greenwich equivalent of MGI (Ferro) / Austria East Zone (alias Gebrauchsnetz) (EPSG code 31283).

MGI / Austria GK Central

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31255')
```

Used as default CRS for digital data distribution through the BEV Geoportal. See CRS code 31252 for equivalent CRS referenced to Ferro meridian.

MGI / Austria GK East

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31256')
```

Used as default CRS for digital data distribution through the BEV Geoportal. See CRS code 31253 for equivalent CRS referenced to Ferro meridian.

MGI / Austria GK M28

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31257')
```

MGI / Austria M28 (CRS code 31284) with reduced northing.

MGI / Austria GK M31

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31258')
```

MGI / Austria M31 (CRS code 31285) with reduced northing.

MGI / Austria GK M34

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31259')
```

MGI / Austria M34 (CRS code 31286) with reduced northing.

MGI / Austria GK West

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31254')
```

Used as default CRS for digital data distribution through the BEV Geoportal. See CRS code 31251 for equivalent CRS referenced to Ferro meridian.

MGI / Austria Lambert

Extent: Austria

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31287')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31287')
```

Replaced by ETRS89 / Austria Lambert (CRS code 3416).

MGI / Austria M28

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31284')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_M28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31284')
```

Greenwich equivalent of MGI (Ferro) / M28 (alias Bundesmeldenetz M28) (EPSG code 31288).

MGI / Austria M31

Extent: Austria between 11°50'E and 14°50'E of Greenwich (29°30'E and 32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_M31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31285')
```

Greenwich equivalent of MGI (Ferro) / M31 (alias Bundesmeldenetz M31) (EPSG code 31289).

MGI / Austria M34

Extent: Austria east of 14°50'E of Greenwich (32°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31286')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_M34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31286')
```

Greenwich equivalent of MGI (Ferro) / M34 (alias Bundesmeldenetz M34) (EPSG code 31290).

MGI / Austria West

Extent: Austria west of 11°50'E of Greenwich (29°30'E of Ferro)

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9271')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_AUSTRIA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9271')
```

Greenwich equivalent of MGI (Ferro) / Austria West Zone (alias Gebrauchsnetz) (EPSG code 31281).

MGI 1901 / Balkans zone 5

Extent: Bosnia and Herzegovina - west of 16°30'E; Croatia - onshore west of 16°30'E; Slovenia - onshore

```
Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8677')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8677')
```

Introduced in 1924. In Slovenia replaced by D48 / GK (CRS code 3912). In Croatia replaced by HTRS96 / Croatia TM (CRS code 3765). In Bosnia and Herzegovina replaced by BH_ETRS89 / TM (CRS code 10329).

MGI 1901 / Balkans zone 6

Extent: Bosnia and Herzegovina - between 16°30'E and 19°30'E; Croatia - onshore east of 16°30'E; Montenegro - onshore west of 19°30'E; Serbia - west of 19°30'E

```
Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8678')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8678')
```

Introduced in 1924. In Croatia replaced by HTRS96 / Croatia TM (CRS code 3765). In Bosnia and Herzegovina replaced by BH_ETRS89 / TM (CRS code 10329).

MGI 1901 / Balkans zone 7

Extent: North Macedonia, Bosnia and Herzegovina - east of 19°30'E; Kosovo; Montenegro - east of 19°30'E; Serbia - between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6316')
```

Introduced in 1924. In Macedonia replaced by MSCS (CRS code 6204) from 2008 but from 2013 this CRS used for AREC electronic cadastral database (E-kat) across whole country. In Bosnia and Herzegovina replaced by BH_ETRS89 / TM (CRS code 10329).

MGI 1901 / Balkans zone 8

Extent: North Macedonia - east of 22°30'E; Serbia - east of 22°30'E

```
Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8679')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8679')
```

Introduced in 1924. In Macedonia replaced by MSCS (CRS codes 6204 and 6316) from 2008.

MGI 1901 / Slovene National Grid

Extent: Slovenia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MGI_1901_SLOVENE_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3912')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_1901_SLOVENE_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3912')
```

In Slovenia replaces MGI 1901 / Balkans zone 5 (D48 zone 5) (CRS code 8677) and MGI 1901 / Slovenia Grid (CRS code 8686). Replaced by D96/TM (CRS code 3794) although old cadastral records still related to D48/GK.

MGI 1901 / Slovenia Grid

Extent: Slovenia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MGI_1901_SLOVENIA_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8686')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MGI_1901_SLOVENIA_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8686')
```

Truncated form of MGI 1901 / Balkans zone 5 (CRS code 8677). Replaced by D48/GK (CRS code 3912) soon after Slovenian independence.

MML07 Grid

Extent: United Kingdom (UK) - on or related to the Midland Mainline rail route from Sheffield to London

```
Projected::fromSRID(Projected::EPSG_MML07_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9373')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MML07_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9373')
```

The CRS's definition through transformation ETRS89 to MML07-IRF (1) (code 9369) as applied to ETRS89 realized through OSNet 2009 and map projection MML07-TM (code 9370) emulates the MML07 Snake projection applied to ETRS89 as realized through OSNet 2001.

MMN / Argentina 2

Extent: Argentina - Tierra del Fuego onshore

```
Projected::fromSRID(Projected::EPSG_MMN_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MMN_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9252')
```

MMS / Argentina 2

Extent: Argentina - Tierra del Fuego onshore

```
Projected::fromSRID(Projected::EPSG_MMS_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MMS_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9254')
```

MOLDOR11 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Ordsall Lane and the Hope Valley to Dore Junction

```
Projected::fromSRID(Projected::EPSG_MOLDOR11_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOLDOR11_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9880')
```

The CRS's definition through transformation ETRS89 to MOLDOR11-IRF (1) (code 9878) and map projection MOLDOR11-TM (code 9879) emulates the MOLDOR11 Snake projection applied to ETRS89 as realized through OSNet 2009 CORS.

MOLDREF99 / Moldova TM

Extent: Moldova

```
Projected::fromSRID(Projected::EPSG_MOLDREF99_MOLDOVA_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4026')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOLDREF99_MOLDOVA_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4026')
```

For mapping at 1:25,000 scale and smaller use WGS 84 / UTM (CRS codes 4037-38).

MOP78 / UTM zone 1S

Extent: Wallis and Futuna - Wallis

```
Projected::fromSRID(Projected::EPSG_MOP78_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2988')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOP78_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2988')
```

Replaced by RGWF96 / UTM zone 1S (CRS code 8903).

MRH21 Grid

Extent: United Kingdom (UK) - on or related to Midland Rail Hub, covering routes through Cardiff, Bristol, Gloucester, Derby, Birmingham, Leicester, and Lincoln

```
Projected::fromSRID(Projected::EPSG_MRH21_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9869')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MRH21_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9869')
```

Defined through transformation ETRS89 to MRH21-IRF (1) (code 9867) and map projection MRH21-TM (code 9868). Emulates the MRH21 Snake projection applied to ETRS89 as realized through OSNet 2009. Consistent with CCWGDB09 as realized through OSNet 2001.

MTRF-2000 / UTM zone 36N

Extent: Saudi Arabia - onshore and offshore - west of 36°E

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8836')
```

Replaces Ain el Abd / UTM zone 36N (CRS code 20436).

MTRF-2000 / UTM zone 37N

Extent: Saudi Arabia - onshore and offshore - between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8837')
```

Replaces Ain el Abd / UTM zone 37N (CRS code 20437).

MTRF-2000 / UTM zone 38N

Extent: Saudi Arabia - onshore and offshore - between of 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8838')
```

Replaces Ain el Abd / UTM zone 38N (CRS code 20438).

MTRF-2000 / UTM zone 39N

Extent: Saudi Arabia - onshore and offshore - between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8839')
```

Replaces Ain el Abd / UTM zone 39N (CRS code 20439).

MTRF-2000 / UTM zone 40N

Extent: Saudi Arabia - east of 54°E

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8840')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8840')
```

Replaces Ain el Abd / UTM zone 40N (CRS code 20440).

MWC18 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Wigan and Liverpool to Chester

```
Projected::fromSRID(Projected::EPSG_MWC18_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20002')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MWC18_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20002')
```

Defined through transformation ETRS89 to MWC18-IRF (1) (code 10108) and map projection MWC18-TM (code 10127). Emulates the MWC18 Snake projection applied to ETRS89 as realized through OSNet 2009.

Macao 1920 / Macao Grid

Extent: China - Macao - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MACAO_1920_MACAO_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8433')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MACAO_1920_MACAO_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8433')
```

Macedonia State Coordinate System

Extent: North Macedonia

```
Projected::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6204')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6204')
```

Truncated form of MGI 1901 / Balkans zones 7, CRS code 6316. Introduced in 2008, replacing MGI 1901 / Balkans zones 7 and 8 (CRS codes 6316 and 8679) for use across whole country. Further truncated in CRS 9945 which with CRS code 6316 used for cadastre.

Macedonia State Coordinate System truncated

Extent: North Macedonia

```
Projected::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM_TRUNCATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9945')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM_
↪TRUNCATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9945')
```

Macedonia State Coordinate System (CRS code 6204) with northing reduced by 4 million. Cadastral data from AREC may be delivered in this CRS.

Madrid 1870 (Madrid) / Spain LCC

Extent: Spain - mainland onshore

```
Projected::fromSRID(Projected::EPSG_MADRID_1870_MADRID_SPAIN_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2062')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MADRID_1870_MADRID_SPAIN_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2062')
```

Polyhedral projection used for large and medium scale topographic mapping and engineering survey. Replaced by ED50 / UTM after 1970.

Makassar (Jakarta) / NEIEZ

Extent: Indonesia - south west Sulawesi

```
Projected::fromSRID(Projected::EPSG_MAKASSAR_JAKARTA_NEIEZ)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAKASSAR_JAKARTA_NEIEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5331')
```

Replaced by Greenwich-based Makassar / NEIEZ (CRS code 3002).

Makassar / NEIEZ

Extent: Indonesia - south west Sulawesi

```
Projected::fromSRID(Projected::EPSG_MAKASSAR_NEIEZ)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3002')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAKASSAR_NEIEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3002')
```

Malongo 1987 / UTM zone 32S

Extent: Angola (Cabinda) - offshore; The Democratic Republic of the Congo (Zaire) - offshore

```
Projected::fromSRID(Projected::EPSG_MALONGO_1987_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::25932')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MALONGO_1987_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::25932')
```

Replaced Mhast (offshore) / UTM zone 32S (CRS code 3354) in 1987. References to “Mhast” since 1987 often should have stated “Malongo 1987”.

Malongo 1987 / UTM zone 33S

Extent: The Democratic Republic of the Congo (Zaire) - offshore

```
Projected::fromSRID(Projected::EPSG_MALONGO_1987_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MALONGO_1987_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7992')
```

Manoca 1962 / UTM zone 32N

Extent: Cameroon - coastal area

```
Projected::fromSRID(Projected::EPSG_MANOCA_1962_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MANOCA_1962_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2215')
```

Replaces Douala 1948 / AOF west (code 2214). The intent of the Bukavu 1953 conference was to adopt the Clarke 1880 (RGN) ellipsoid (code 7012) but in practice this CRS has used the IGN version.

Martinique 1938 / UTM zone 20N

Extent: Martinique - onshore

```
Projected::fromSRID(Projected::EPSG_MARTINIQUE_1938_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2973')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MARTINIQUE_1938_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2973')
```

Replaced by RRAF 1991 / UTM zone 20N (CRS code 4559).

Massawa / UTM zone 37N

Extent: Eritrea - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MASSAWA_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26237')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MASSAWA_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26237')
```

Maupiti 83 / UTM zone 5S

Extent: French Polynesia - Society Islands - Maupiti

```
Projected::fromSRID(Projected::EPSG_MAUPITI_83_UTM_ZONE_5S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAUPITI_83_UTM_ZONE_5S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3306')
```

Replaced by RGPF / UTM zone 5S, CRS code 3296.

Mauritania 1999 / UTM zone 28N

Extent: Mauritania - 18°W to 12°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3343')
```

Mauritania 1999 / UTM zone 29N

Extent: Mauritania - between 12°W and 6°W

```
Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3344')
```

Mauritania 1999 / UTM zone 30N

Extent: Mauritania - east of 6°W

```
Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3345')
```

Merchich / Nord Maroc

Extent: Morocco onshore north of 35 grads North (31°30'N)

```
Projected::fromSRID(Projected::EPSG_MERCHICH_NORD_MAROC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MERCHICH_NORD_MAROC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26191')
```

Merchich / Sahara Nord

Extent: Western Sahara - onshore north of 27grads North (24°18'N)

```
Projected::fromSRID(Projected::EPSG_MERCHICH_SAHARA_NORD)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26194')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MERCHICH_SAHARA_NORD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26194')
```

Merchich / Sahara Sud

Extent: Western Sahara - onshore south of 27grads North (24°18'N)

```
Projected::fromSRID(Projected::EPSG_MERCHICH_SAHARA_SUD)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26195')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MERCHICH_SAHARA_SUD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26195')
```

Merchich / Sud Maroc

Extent: Morocco onshore south of 35 grads North (31°30'N)

```
Projected::fromSRID(Projected::EPSG_MERCHICH_SUD_MAROC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26192')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MERCHICH_SUD_MAROC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26192')
```

Mexico ITRF2008 / LCC

Extent: Mexico - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6372')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6372')
```

Replaces Mexico ITRF92 / LCC (CRS code 6362) from December 2010.

Mexico ITRF2008 / UTM zone 11N

Extent: Mexico west of 114°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6366')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6366')
```

Replaces Mexico ITRF92 / UTM zone 11N (CRS code 4484) from December 2010.

Mexico ITRF2008 / UTM zone 12N

Extent: Mexico between 114°W and 108°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6367')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6367')
```

Replaces Mexico ITRF92 / UTM zone 12N (CRS code 4485) from December 2010.

Mexico ITRF2008 / UTM zone 13N

Extent: Mexico between 108°W and 102°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6368')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6368')
```

Replaces Mexico ITRF92 / UTM zone 13N (CRS code 4486) from December 2010.

Mexico ITRF2008 / UTM zone 14N

Extent: Mexico between 102°W and 96°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6369')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6369')
```

Replaces Mexico ITRF92 / UTM zone 14N (CRS code 4487) from December 2010.

Mexico ITRF2008 / UTM zone 15N

Extent: Mexico between 96°W and 90°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6370')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6370')
```

Replaces Mexico ITRF92 / UTM zone 15N (CRS code 4488) from December 2010.

Mexico ITRF2008 / UTM zone 16N

Extent: Mexico east of 90°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6371')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6371')
```

Replaces Mexico ITRF92 / UTM zone 16N (CRS code 4489) from December 2010.

Mexico ITRF92 / LCC

Extent: Mexico - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6362')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6362')
```

Replaced by Mexico ITRF2008 / LCC (CRS code 6372) from December 2010.

Mexico ITRF92 / UTM zone 11N

Extent: Mexico west of 114°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4484')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4484')
```

Replaces NAD27 / UTM zone 11N (CRS code 26711). Replaced by Mexico ITRF2008 / UTM zone 11N (CRS code 6366) from December 2010.

Mexico ITRF92 / UTM zone 12N

Extent: Mexico between 114°W and 108°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4485')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4485')
```

Replaces NAD27 / UTM zone 12N (CRS code 26712). Replaced by Mexico ITRF2008 / UTM zone 12N (CRS code 6367) from December 2010.

Mexico ITRF92 / UTM zone 13N

Extent: Mexico between 108°W and 102°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4486')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4486')
```

Replaces NAD27 / UTM zone 13N (CRS code 26713). Replaced by Mexico ITRF2008 / UTM zone 13N (CRS code 6368) from December 2010.

Mexico ITRF92 / UTM zone 14N

Extent: Mexico between 102°W and 96°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4487')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4487')
```

Replaces NAD27 / UTM zone 14N (CRS code 26714). Replaced by Mexico ITRF2008 / UTM zone 14N (CRS code 6369) from December 2010.

Mexico ITRF92 / UTM zone 15N

Extent: Mexico between 96°W and 90°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4488')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4488')
```

Replaces NAD27 / UTM zone 15N (CRS code 26715). Replaced by Mexico ITRF2008 / UTM zone 15N (CRS code 6370) from December 2010.

Mexico ITRF92 / UTM zone 16N

Extent: Mexico east of 90°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4489')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4489')
```

Replaces NAD27 / UTM zone 16N (CRS code 26716). Replaced by Mexico ITRF2008 / UTM zone 16N (CRS code 6371) from December 2010.

Mhast (offshore) / UTM zone 32S

Extent: Angola (Cabinda) - offshore; The Democratic Republic of the Congo (Zaire) - offshore

```
Projected::fromSRID(Projected::EPSG_MHAST_OFFSHORE_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MHAST_OFFSHORE_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3354')
```

Used by CABGOC for offshore areas between 1979 and 1987. Differs from Mhast (onshore) / UTM zone 32S by approximately 10m. Replaced by Malongo 1987 / UTM zone 32S (CRS code 25932) in 1987.

Mhast (onshore) / UTM zone 32S

Extent: Angola (Cabinda) - onshore and offshore; The Democratic Republic of the Congo (Zaire) - onshore coastal area and offshore

```
Projected::fromSRID(Projected::EPSG_MHAST_ONSHORE_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MHAST_ONSHORE_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3353')
```

Used by CABGOC. For offshore areas, in 1979 replaced by Mhast (offshore) / UTM zone 32S (CRS code 3354), from which this CRS differs by approximately 10m.

Minna / Nigeria East Belt

Extent: Nigeria east of 10°30'E

```
Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_EAST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MINNA_NIGERIA_EAST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26393')
```

Minna / Nigeria Mid Belt

Extent: Nigeria between 6°30'E and 10°30'E, onshore and offshore shelf

```
Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_MID_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MINNA_NIGERIA_MID_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26392')
```

Minna / Nigeria West Belt

Extent: Nigeria - onshore west of 6°30'E, onshore and offshore shelf

```
Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_WEST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MINNA_NIGERIA_WEST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26391')
```

Minna / UTM zone 31N

Extent: Nigeria - offshore beyond continental shelf west of 6°E

```
Projected::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26331')
```

Minna / UTM zone 32N

Extent: Nigeria - offshore deep water - east of 6°E

```
Projected::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26332')
```

There is some use of this projected CRS in E&P to facilitate area calculations of those offshore deepwater Nigerian blocks falling mainly within zone 32N but with some portion of the block west of 6°E longitude.

Monte Mario / Italy zone 1

Extent: Italy - onshore and offshore - west of 12°E

```
Projected::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3003')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3003')
```

Monte Mario / Italy zone 2

Extent: Italy - onshore and offshore - east of 12°E including San Marino and Vatican City State

```
Projected::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3004')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3004')
```

Monte Mario / TM Emilia-Romagna

Extent: Italy - Emilia-Romagna region

```
Projected::fromSRID(Projected::EPSG_MONTE_MARIO_TM_EMILIA_ROMAGNA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5659')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MONTE_MARIO_TM_EMILIA_ROMAGNA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5659')
```

Replaces previous regional CRS ED50 / UTMA.

Montserrat 1958 / British West Indies Grid

Extent: Montserrat - onshore

```
Projected::fromSRID(Projected::EPSG_MONTSERRAT_1958_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2004')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MONTSERRAT_1958_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2004')
```

Moorea 87 / UTM zone 6S

Extent: French Polynesia - Society Islands - Moorea

```
Projected::fromSRID(Projected::EPSG_MOOREA_87_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOOREA_87_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3305')
```

Replaces Tahiti 52 / UTM zone 6S (CRS code 2976) in Moorea. Replaced by RGPF / UTM zone 6S, CRS code 3297.

Mount Dillon / Tobago Grid

Extent: Trinidad and Tobago - Tobago - onshore

```
Projected::fromSRID(Projected::EPSG_MOUNT_DILLON_TOBAGO_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2066')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOUNT_DILLON_TOBAGO_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2066')
```

Moznet / UTM zone 36S

Extent: Mozambique - west of 36°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3036')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3036')
```

Moznet / UTM zone 37S

Extent: Mozambique - between 36°E and 42°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3037')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3037')
```

Moznet / UTM zone 38S

Extent: Mozambique - onshore east of 36°E

```
Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5629')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5629')
```

NAD27 / Alabama East

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Projected::fromSRID(Projected::EPSG_NAD27_ALABAMA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26729')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALABAMA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26729')
```

NAD27 / Alabama West

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Projected::fromSRID(Projected::EPSG_NAD27_ALABAMA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26730')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALABAMA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26730')
```

NAD27 / Alaska Albers

Extent: United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2964')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2964')
```

NAD27 / Alaska zone 1

Extent: United States (USA) - Alaska - east of 141°W; i.e. Panhandle

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26731')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26731')
```

NAD27 / Alaska zone 10

Extent: United States (USA) - Alaska - Aleutian Islands onshore

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26740')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26740')
```

NAD27 / Alaska zone 2

Extent: United States (USA) - Alaska - between 144°W and 141°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26732')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26732')
```

NAD27 / Alaska zone 3

Extent: United States (USA) - Alaska - between 148°W and 144°W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26733')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26733')
```

NAD27 / Alaska zone 4

Extent: United States (USA) - Alaska - between 152°W and 148°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26734')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26734')
```

NAD27 / Alaska zone 5

Extent: United States (USA) - Alaska - between 156°W and 152°W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26735')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26735')
```

NAD27 / Alaska zone 6

Extent: United States (USA) - Alaska - between 160°W and 156°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26736')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26736')
```

NAD27 / Alaska zone 7

Extent: United States (USA) - Alaska - between 164°W and 160°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26737')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26737')
```

NAD27 / Alaska zone 8

Extent: United States (USA) - Alaska onshore north of 54°30'N and between 168°W and 164°W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26738')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26738')
```

NAD27 / Alaska zone 9

Extent: United States (USA) - Alaska onshore north of 54°30'N and west of 168°W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26739')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26739')
```

NAD27 / Alberta 3TM ref merid 111 W

Extent: Canada - Alberta - east of 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_111_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3771')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_111_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3771')
```

If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD27 / UTM zone 12N (CRS code 26712) is encouraged in these rural areas.

NAD27 / Alberta 3TM ref merid 114 W

Extent: Canada - Alberta - between 115°30'W and 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_114_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3772')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_114_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3772')
```

If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD27 / UTM zones 11N and 12N (CRS codes 26711 and 26712) is encouraged in these rural areas.

NAD27 / Alberta 3TM ref merid 117 W

Extent: Canada - Alberta - between 118°30'W and 115°30' W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_117_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3773')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_117_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3773')
```

If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD27 / UTM zone 11N (CRS code 26711) is encouraged in these rural areas.

NAD27 / Alberta 3TM ref merid 120 W

Extent: Canada - Alberta - west of 118°30' W

```
Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_120_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3800')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_120_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3800')
```

If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD27 / UTM zone 11N (CRS code 26711) encouraged in these rural areas.

NAD27 / Arizona Central

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26749')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ARIZONA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26749')
```

NAD27 / Arizona East

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26748')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ARIZONA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26748')
```

NAD27 / Arizona West

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26750')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ARIZONA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26750')
```

NAD27 / Arkansas North

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD27_ARKANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26751')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ARKANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26751')
```

NAD27 / Arkansas South

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD27_ARKANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26752')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ARKANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26752')
```

NAD27 / BLM 10N (ftUS)

Extent: United States (USA) - between 126°W and 120°W onshore and offshore - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_10N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4410')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_10N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4410')
```

NAD27 / BLM 11N (ftUS)

Extent: United States (USA) - between 120°W and 114°W onshore and offshore - California, Idaho, Nevada, Oregon, Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_11N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_11N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4411')
```

NAD27 / BLM 12N (ftUS)

Extent: United States (USA) - between 114°W and 108°W - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_12N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_12N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4412')
```

NAD27 / BLM 13N (ftUS)

Extent: United States (USA) - between 108°W and 102°W - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_13N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_13N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4413')
```

NAD27 / BLM 14N (ftUS)

Extent: United States (USA) - between 102°W and 96°W. Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas; Gulf of Mexico outer continental shelf (GoM OCS) west of approximately 96°W - protraction areas Corpus Christi; Port Isabel

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_14N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32064')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_14N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32064')
```

NAD27 / BLM 15N (ftUS)

Extent: United States (USA) - between 96°W and 90°W - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin; Gulf of Mexico outer continental shelf (GoM OCS) between approximately 96°W and 90°W - protraction areas East Breaks; Alaminos Canyon; Garden Banks; Keathley Canyon; Sigsbee Escarpment; Ewing Bank; Green Canyon; Walker Ridge; Amery Terrace

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_15N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32065')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_15N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32065')
```

NAD27 / BLM 16N (ftUS)

Extent: United States (USA) - between 90°W and 84°W onshore and offshore - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin; Gulf of Mexico outer continental shelf (GoM OCS) between approximately 90°W and 84°W - protraction areas Mobile; Viosca Knoll; Mississippi Canyon; Atwater Valley; Lund; Lund South; Pensacola; Destin Dome; De Soto Canyon; Lloyd Ridge; Henderson; Florida Plain; Campeche Escarpment; Apalachicola; Florida Middle Ground; The Elbow; Vernon Basin; Howell Hook; Rankin

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_16N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32066')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_16N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32066')
```

NAD27 / BLM 17N (ftUS)

Extent: United States (USA) - between 84°W and 78°W onshore and offshore - Florida; Georgia; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia; Gulf of Mexico outer continental shelf (GoM OCS) east of approximately 84°W - protraction areas Gainesville; Tarpon Springs; St Petersburg; Charlotte Harbor; Pulley Ridge; Dry Tortugas; Tortugas Valley; Miami; Key West

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_17N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32067')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_17N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32067')
```

NAD27 / BLM 18N (ftUS)

Extent: United States (USA) - between 78°W and 72°W onshore and offshore - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_18N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_18N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4418')
```

NAD27 / BLM 19N (ftUS)

Extent: United States (USA) - between 72°W and 66°W onshore and offshore - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_19N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_19N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4419')
```

NAD27 / BLM 1N (ftUS)

Extent: United States (USA) - between 180°W and 174°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_1N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4401')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_1N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4401')
```

NAD27 / BLM 2N (ftUS)

Extent: United States (USA) - between 174°W and 168°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_2N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4402')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_2N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4402')
```

NAD27 / BLM 3N (ftUS)

Extent: United States (USA) - between 168°W and 162°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_3N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4403')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_3N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4403')
```

NAD27 / BLM 4N (ftUS)

Extent: United States (USA) - between 162°W and 156°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_4N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_4N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4404')
```

NAD27 / BLM 59N (ftUS)

Extent: United States (USA) - west of 174°E. Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_59N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4399')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_59N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4399')
```

NAD27 / BLM 5N (ftUS)

Extent: United States (USA) - between 156°W and 150°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_5N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_5N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4405')
```

NAD27 / BLM 60N (ftUS)

Extent: United States (USA) - between 174°E and 180°E - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_60N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4400')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_60N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4400')
```

NAD27 / BLM 6N (ftUS)

Extent: United States (USA) - between 150°W and 144°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_6N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_6N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4406')
```

NAD27 / BLM 7N (ftUS)

Extent: United States (USA) - between 144°W and 138°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_7N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_7N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4407')
```

NAD27 / BLM 8N (ftUS)

Extent: United States (USA) - between 138°W and 132°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_8N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_8N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4408')
```

NAD27 / BLM 9N (ftUS)

Extent: United States (USA) - between 132°W and 126°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_9N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_BLM_9N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4409')
```

NAD27 / California Albers

Extent: United States (USA) - California

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3309')
```

NAD27 / California zone I

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26741')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26741')
```

NAD27 / California zone II

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26742')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26742')
```

NAD27 / California zone III

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26743')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26743')
```

NAD27 / California zone IV

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26744')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26744')
```

NAD27 / California zone V

Extent: United States (USA) - California - counties of Kern; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26745')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26745')
```

NAD27 / California zone VI

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26746')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26746')
```

NAD27 / California zone VII

Extent: United States (USA) - California - Los Angeles county

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26799')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26799')
```

NAD27 / Colorado Central

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26754')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_COLORADO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26754')
```

NAD27 / Colorado North

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26753')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_COLORADO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26753')
```

NAD27 / Colorado South

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26755')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_COLORADO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26755')
```

NAD27 / Connecticut

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD27_CONNECTICUT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26756')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CONNECTICUT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26756')
```

NAD27 / Conus Albers

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD27_CONUS_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5069')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CONUS_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5069')
```

Replaced by NAD83 / Conus Albers (CRS code 5070).

NAD27 / Cuba Norte

Extent: Cuba - onshore north of 21°30'N but also including all of Isla de la Juventud

```
Projected::fromSRID(Projected::EPSG_NAD27_CUBA_NORTE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3795')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CUBA_NORTE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3795')
```

NAD27 / Cuba Sur

Extent: Cuba - onshore south of 21°30'N and east of 80°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CUBA_SUR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3796')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CUBA_SUR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3796')
```

NAD27 / Delaware

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD27_DELAWARE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26757')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_DELAWARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26757')
```

NAD27 / Florida East

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26758')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_FLORIDA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26758')
```

NAD27 / Florida North

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26760')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_FLORIDA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26760')
```

NAD27 / Florida West

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26759')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_FLORIDA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26759')
```

NAD27 / Georgia East

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD27_GEORGIA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_GEORGIA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26766')
```

NAD27 / Georgia West

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD27_GEORGIA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26767')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_GEORGIA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26767')
```

NAD27 / Idaho Central

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26769')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_IDAHO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26769')
```

NAD27 / Idaho East

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26768')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_IDAHO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26768')
```

NAD27 / Idaho West

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26770')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_IDAHO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26770')
```

NAD27 / Illinois East

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD27_ILLINOIS_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26771')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ILLINOIS_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26771')
```

NAD27 / Illinois West

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD27_ILLINOIS_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26772')
```

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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_ILLINOIS_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26772')
```

NAD27 / Indiana East

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD27_INDIANA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26773')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_INDIANA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26773')
```

NAD27 / Indiana West

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD27_INDIANA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26774')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_INDIANA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26774')
```

NAD27 / Iowa North

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD27_IOWA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26775')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_IOWA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26775')
```

NAD27 / Iowa South

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD27_IOWA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26776')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_IOWA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26776')
```

NAD27 / Kansas North

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD27_KANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26777')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_KANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26777')
```

NAD27 / Kansas South

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD27_KANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26778')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_KANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26778')
```

NAD27 / Kentucky North

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD27_KENTUCKY_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26779')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_KENTUCKY_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26779')
```

NAD27 / Kentucky South

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD27_KENTUCKY_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_KENTUCKY_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26780')
```

NAD27 / Louisiana North

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26781')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_LOUISIANA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26781')
```

NAD27 / Louisiana Offshore

Extent: United States (USA) - Louisiana

```
Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_OFFSHORE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32099')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_LOUISIANA_OFFSHORE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32099')
```

This system is NOT used for oil industry purposes. Use NAD27 / Louisiana South (CRS code 26782) in state waters and on LA OCS shelf and NAD27 / BLM (CRS codes 32065-66) in OCS deep water protraction areas.

NAD27 / Louisiana South

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana. Also Gulf of Mexico outer continental shelf (GoM OCS) protraction areas Sabine Pass (LA); West Cameron; East Cameron; Vermilion; South Marsh Island; Eugene Island; Ship Shoal; South Pelto; Bay Marchand; South Timbalier; Grand Isle; West Delta; South Pass; Main Pass; Breton Sound; Chandeleur

```
Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26782')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_LOUISIANA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26782')
```

NAD27 / MTM zone 1

Extent: Canada - Newfoundland - onshore east of 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32081')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32081')
```

NAD27 / MTM zone 10

Extent: Canada - Ontario - between 81°W and 78°W: south of 46°N in area to west of 80°15'W, south of 47°N in area between 80°15'W and 79°30'W, entire province between 79°30'W and 78°W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7991')
```

Large and medium scale topographic mapping and engineering survey within City of Toronto.

NAD27 / MTM zone 2

Extent: Canada - Newfoundland and Labrador between 57°30'W and 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32082')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32082')
```

NAD27 / MTM zone 3

Extent: Canada - Newfoundland west of 57°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32083')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32083')
```

NAD27 / MTM zone 4

Extent: Canada - Labrador between 63°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32084')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32084')
```

NAD27 / MTM zone 5

Extent: Canada - Labrador - 66°W to 63°W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32085')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32085')
```

NAD27 / MTM zone 6

Extent: Canada - Labrador - west of 66°W

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32086')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32086')
```

NAD27 / MTQ Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD27_MTQ_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3797')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MTQ_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3797')
```

Replaced by NAD83 / MTQ Lambert (CRS code 3798).

NAD27 / Maine East

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_MAINE_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26783')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MAINE_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26783')
```

Replaced by Maine Coordinate System of 1983.

NAD27 / Maine West

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD27_MAINE_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26784')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MAINE_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26784')
```

Replaced by Maine Coordinate System of 1983.

NAD27 / Maryland

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD27_MARYLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26785')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MARYLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26785')
```

NAD27 / Massachusetts Island

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26787')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26787')
```

NAD27 / Massachusetts Mainland

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_MAINLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26786')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_MAINLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26786')
```

NAD27 / Michigan Central

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6201')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MICHIGAN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6201')
```

From 1964 this Lambert Conic Conformal (LCC) zone replaces the northern parts of the Transverse Mercator (TM) NAD27 / Michigan East and Old Central zones (CRS codes 5623 and 5624).

NAD27 / Michigan East

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Arenac; Bay; Cheboygan; Chippewa; Clinton; Crawford; Genesee; Gladwin; Gratiot; Hillsdale; Huron; Ingham; Iosco; Jackson; Lapeer; Lenawee; Livingston; Macomb; Midland; Monroe; Montmorency; Oakland; Ogemaw; Oscoda; Otsego; Presque Isle; Roscommon; Saginaw; Sanilac; Shiawassee; St Clair; Tuscola; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5623')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MICHIGAN_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5623')
```

Introduced 1934. After 1964, this Transverse Mercator (TM) zone replaced by NAD27 / Michigan Central and NAD27 / Michigan South Lambert Conic Conformal (LCC) zones (CRS codes 6201 and 6202).

NAD27 / Michigan North

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6966')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MICHIGAN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6966')
```

From 1964 this Lambert Conic Conformal (LCC) zone replaces the NAD27 / Michigan West Transverse Mercator (TM) zone (CRS code 5625).

NAD27 / Michigan Old Central

Extent: United States (USA) - Michigan - counties of Alger; Allegan; Antrim; Barry; Benzie; Berrien; Branch; Calhoun; Cass; Charlevoix; Clare; Delta; Eaton; Emmet; Grand Traverse; Ionia; Isabella; Kalamazoo; Kalkaska; Kent; Lake; Leelanau; Luce; Mackinac; Manistee; Mason; Mecosta; Missaukee; Montcalm; Muskegon; Newaygo; Oceana; Osceola; Ottawa; St Joseph; Schoolcraft; Van Buren; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_OLD_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5624')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MICHIGAN_OLD_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5624')
```

Introduced 1934. After 1964, this TM zone replaced by NAD27 / Michigan North, Central and South Lambert (LCC) zones (CRS codes 6966, 6201 and 6202); the NW islands area to the North zone, remainder of this zone split between the Central and South zones.

NAD27 / Michigan South

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6202')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MICHIGAN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6202')
```

From 1964 this Lambert Conic Conformal (LCC) zone replaces the southern parts of the Transverse Mercator (TM) NAD27 / Michigan East and Old Central zones (CRS codes 5623 and 5624).

NAD27 / Michigan West

Extent: United States (USA) - Michigan - counties of Baraga; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Marquette; Menominee; Ontonagon

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5625')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MICHIGAN_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5625')
```

Introduced 1934. After 1964, this Transverse Mercator (TM) zone replaced by NAD27 / Michigan North Lambert Conic Conformal (LCC) zone (CRS code 6966).

NAD27 / Minnesota Central

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26792')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MINNESOTA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26792')
```

NAD27 / Minnesota North

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MINNESOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26791')
```

NAD27 / Minnesota South

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MINNESOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26793')
```

NAD27 / Mississippi East

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26794')
```

NAD27 / Mississippi West

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26795')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26795')
```

NAD27 / Missouri Central

Extent: United States (USA) - Missouri - counties of Adair; Audrain; Benton; Boone; Callaway; Camden; Carroll; Chariton; Christian; Cole; Cooper; Dallas; Douglas; Greene; Grundy; Hickory; Howard; Howell; Knox; Laclede; Linn; Livingston; Macon; Maries; Mercer; Miller; Moniteau; Monroe; Morgan; Osage; Ozark; Pettis; Phelps; Polk; Pulaski; Putnam; Randolph; Saline; Schuyler; Scotland; Shelby; Stone; Sullivan; Taney; Texas; Webster; Wright

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26797')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MISSOURI_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26797')
```

NAD27 / Missouri East

Extent: United States (USA) - Missouri - counties of Bollinger; Butler; Cape Girardeau; Carter; Clark; Crawford; Dent; Dunklin; Franklin; Gasconade; Iron; Jefferson; Lewis; Lincoln; Madison; Marion; Mississippi; Montgomery; New Madrid; Oregon; Pemiscot; Perry; Pike; Ralls; Reynolds; Ripley; Scott; Shannon; St Charles; St Francois; St Louis; Ste. Genevieve; Stoddard; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26796')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MISSOURI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26796')
```

NAD27 / Missouri West

Extent: United States (USA) - Missouri - counties of Andrew; Atchison; Barry; Barton; Bates; Buchanan; Caldwell; Cass; Cedar; Clay; Clinton; Dade; Daviess; De Kalb; Gentry; Harrison; Henry; Holt; Jackson; Jasper; Johnson; Lafayette; Lawrence; McDonald; Newton; Nodaway; Platte; Ray; St Clair; Vernon; Worth

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26798')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MISSOURI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26798')
```

NAD27 / Montana Central

Extent: United States (USA) - Montana - counties of Cascade; Dawson; Fergus; Garfield; Judith Basin; Lake; Lewis and Clark; McCone; Meagher; Mineral; Missoula; Petroleum; Powell; Prairie; Richland; Sanders; Wibaux

```
Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32002')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MONTANA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32002')
```

NAD27 / Montana North

Extent: United States (USA) - Montana north of approximately 47°50'N - counties of Blaine; Chouteau; Daniels; Flathead; Glacier; Hill; Liberty; Lincoln; Phillips; Pondera; Roosevelt; Sheridan; Teton; Toole; Valley

```
Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32001')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MONTANA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32001')
```

NAD27 / Montana South

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Broadwater; Carbon; Carter; Custer; Deer Lodge; Fallon; Gallatin; Golden Valley; Granite; Jefferson; Madison; Musselshell; Park; Powder River; Ravalli; Rosebud; Silver Bow; Stillwater; Sweet Grass; Treasure; Wheatland; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32003')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_MONTANA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32003')
```

NAD27 / Nebraska North

Extent: United States (USA) - Nebraska - counties of Antelope; Blaine; Box Butte; Boyd; Brown; Burt; Cedar; Cherry; Cuming; Dakota; Dawes; Dixon; Garfield; Grant; Holt; Hooker; Keya Paha; Knox; Loup; Madison; Pierce; Rock; Sheridan; Sioux; Stanton; Thomas; Thurston; Wayne; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD27_NEBRASKA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32005')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEBRASKA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32005')
```

NAD27 / Nebraska South

Extent: United States (USA) - Nebraska - counties of Adams; Arthur; Banner; Boone; Buffalo; Butler; Cass; Chase; Cheyenne; Clay; Colfax; Custer; Dawson; Deuel; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Gosper; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Howard; Jefferson; Johnson; Kearney; Keith; Kimball; Lancaster; Lincoln; Logan; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Platte; Polk; Red Willow; Richardson; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sherman; Thayer; Valley; Washington; Webster; York

```
Projected::fromSRID(Projected::EPSG_NAD27_NEBRASKA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32006')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEBRASKA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32006')
```

NAD27 / Nevada Central

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32008')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEVADA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32008')
```

NAD27 / Nevada East

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32007')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEVADA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32007')
```

NAD27 / Nevada West

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32009')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEVADA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32009')
```

NAD27 / New Brunswick Stereographic (NAD27)

Extent: Canada - New Brunswick

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_BRUNSWICK_STEREOGRAPHIC_NAD27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5588')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_BRUNSWICK_STEREOGRAPHIC_
↪NAD27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5588')
```

In use until 1979 when replaced by ATS77 / NB Stereographic (CRS code 2200).

NAD27 / New Hampshire

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_HAMPSHIRE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32010')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_HAMPSHIRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32010')
```

NAD27 / New Jersey

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_JERSEY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32011')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_JERSEY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32011')
```

NAD27 / New Mexico Central

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32013')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32013')
```

NAD27 / New Mexico East

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32012')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32012')
```

NAD27 / New Mexico West

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32014')
```

NAD27 / New York Central

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_YORK_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32016')
```

NAD27 / New York East

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_YORK_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32015')
```

NAD27 / New York Long Island

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_LONG_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_YORK_LONG_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4456')
```

NAD27 / New York West

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NEW_YORK_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32017')
```

NAD27 / North Carolina

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD27_NORTH_CAROLINA)
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32019')
```

NAD27 / North Dakota North

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32020')
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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32020')
```

NAD27 / North Dakota South

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32021')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32021')
```

NAD27 / Ohio North

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD27_OHIO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32022')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32022')
```

NAD27 / Ohio South

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_OHIO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32023')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_OHIO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32023')
```

NAD27 / Oklahoma North

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD27_OKLAHOMA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32024')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32024')
```

NAD27 / Oklahoma South

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD27_OKLAHOMA_SOUTH)
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32025')
```

NAD27 / Oregon North

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD27_OREGON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32026')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32026')
```

NAD27 / Oregon South

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD27_OREGON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32027')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_OREGON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32027')
```

NAD27 / Pennsylvania North

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32028')
```

NAD27 / Pennsylvania South

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4455')
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```

NAD27 / Quebec Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD27_QUEBEC_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32098')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_QUEBEC_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32098')
```

Replaced by NAD27(CGQ77) / Quebec Lambert (code 2137) in 1977.

NAD27 / Rhode Island

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_RHODE_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_RHODE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32030')
```

NAD27 / Shackleford

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD27_SHACKLEFORD)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3080')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_SHACKLEFORD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3080')
```

Replaced by NAD83 / TSMS. Care: survey data in Texas uses the US survey foot, not the International foot used by this system.

NAD27 / South Carolina North

Extent: United States (USA) - South Carolina - counties of Abbeville; Anderson; Calhoun; Cherokee; Chester; Chesterfield; Darlington; Dillon; Edgefield; Fairfield; Florence; Greenville; Greenwood; Horry; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; York

```
Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32031')
```

NAD27 / South Carolina South

Extent: United States (USA) - South Carolina - counties of Aiken; Allendale; Bamberg; Barnwell; Beaufort; Berkeley; Charleston; Clarendon; Colleton; Dorchester; Georgetown; Hampton; Jasper; Orangeburg; Williamsburg

```
Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32033')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32033')
```

NAD27 / South Dakota North

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32034')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32034')
```

NAD27 / South Dakota South

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32035')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32035')
```

NAD27 / Tennessee

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD27_TENNESSEE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2204')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2204')
```

NAD27 / Texas Central

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_CENTRAL)
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32039')
```

NAD27 / Texas North

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32037')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32037')
```

NAD27 / Texas North Central

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_NORTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32038')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32038')
```

NAD27 / Texas South

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata. Gulf of Mexico outer continental shelf (GoM OCS) protraction areas: South Padre Island; North Padre Island; Mustang Island

```
Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32041')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32041')
```

NAD27 / Texas South Central

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala. Gulf of Mexico outer continental shelf (GoM OCS) protraction areas: Matagorda Island; Brazos; Galveston; High Island, Sabine Pass (TX)

```
Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_SOUTH_CENTRAL)
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32040')
```

NAD27 / US National Atlas Equal Area

Extent: United States (USA) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_NAD27_US_NATIONAL_ATLAS_EQUAL_AREA)
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9311')
```

Uses spherical projection formulas. USGS documentation describes sphere as derived from GRS80/WGS 84 ellipsoid but that actually used is Clarke 1866. For 1:1million and smaller scale maps there is no significant difference.

NAD27 / UTM zone 10N

Extent: North America - between 126°W and 120°W - onshore. Canada - British Columbia; Northwest Territories; Nunavut; Yukon. United States (USA) - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26710')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26710')
```

NAD27 / UTM zone 11N

Extent: North America - between 120°W and 114°W - onshore. Canada - Alberta; British Columbia; Northwest Territories; Nunavut. Mexico. United States (USA) - California; Idaho; Nevada; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26711')
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CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26711')
```

In Mexico, replaced by Mexican Datum of 1993 / UTM zone 11N (code 4484). In Canada and USA, replaced by NAD83 / UTM zone 11N (code 26911).

NAD27 / UTM zone 12N

Extent: North America - between 114°W and 108°W. Canada - Alberta; Northwest Territories; Nunavut; Saskatchewan. Mexico. United States (USA) - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming. Onshore for Mexican Pacific and Canadian Arctic coasts

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_12N)
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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26712')
```

In Mexico, replaced by Mexican Datum of 1993 / UTM zone 12N (code 4485). In Canada and USA, replaced by NAD83 / UTM zone 12N (code 26912).

NAD27 / UTM zone 13N

Extent: North America - between 108°W and 102°W. Canada - Northwest Territories; Nunavut; Saskatchewan. Mexico. United States (USA) - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming. Onshore for Mexican Pacific and Canadian Arctic coasts

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26713')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26713')
```

In Mexico, replaced by Mexican Datum of 1993 / UTM zone 13N (code 4484). In Canada and USA, replaced by NAD83 / UTM zone 13N (code 26913).

NAD27 / UTM zone 14N

Extent: North America - between 102°W and 96°W. Canada - Manitoba; Nunavut; Saskatchewan. Mexico. United States (USA) - Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas. Onshore for Mexican Pacific coast and Canadian Arctic but onshore and offshore for US & Mexico Gulf of Mexico and Caribbean coasts

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26714')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26714')
```

See NAD27 / BLM 14N (ftUS) (code 32064) for non-metric equivalent used in US Gulf of Mexico. In Mexico, replaced by Mexicand Datum of 1993 / UTM zone 14N (code 4487). In Canada and USA, replaced by NAD83 / UTM zone 14N (code 26914).

NAD27 / UTM zone 15N

Extent: North America - between 96°W and 90°W. Canada - Manitoba; Nunavut; Ontario. Guatemala. Mexico. United States (USA) - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin. Onshore for Canadian Arctic and Central America, onshore and offshore for Gulf of Mexico (both US and Mexican sectors)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26715')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26715')
```

Replaced by NAD27(76) / UTM 15N (code 2027) in Ontario, by NAD83 / UTM 15N (code 26915) elsewhere in Canada & USA, & by Mexican Datum of 1993 / UTM 15N (code 4488) in Mexico. See NAD27 / BLM 15N (ftUS) (code 32065) for ftUS equivalent used in US GoM.

NAD27 / UTM zone 16N

Extent: North America - between 90°W and 84°W. Belize. Canada - Manitoba; Nunavut; Ontario. Costa Rica. Cuba. El Salvador. Guatemala. Honduras. Mexico. Nicaragua. United States (USA) - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin. Onshore for Canadian Arctic and Central America, onshore and offshore for Cuba and Gulf of Mexico (both US and Mexican sectors)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26716')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26716')
```

Replaced by NAD27(76) / UTM 16N (code 2028) in Ontario, by NAD83 / UTM 16N (code 26916) elsewhere in Canada and USA, and by Mexican Datum of 1993 / UTM 16N (code 4489) in Mexico. See NAD27 / BLM 16N (ftUS) (code 32066) for ftUS equivalent used in US GoM.

NAD27 / UTM zone 17N

Extent: North America - between 84°W and 78°W. Bahamas. Canada - Nunavut; Ontario; Quebec. Costa Rica. Cuba. Honduras. Nicaragua. United States (USA) - Florida; Georgia; Kentucky; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia. Onshore for Canadian Arctic. onshore and offshore for US east coast and Cuba, with usage in Bahamas onshore plus offshore over internal continental shelf only

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26717')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26717')
```

In Ontario replaced by NAD27(76) / UTM zone 17N (code 2029). In Quebec replaced by NAD27(CGQ77) / UTM zone 17N (code 2031). See NAD27 / BLM 17N (ftUS) (code 32067) for non-metric equivalent used in US Gulf of Mexico.

NAD27 / UTM zone 18N

Extent: North America - between 78°W and 72°W. Bahamas. Canada - Nunavut; Ontario; Quebec. Cuba. United States (USA) - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont. Onshore for Canadian arctic. onshore and offshore for US east coast and Cuba, with usage in Bahamas onshore plus offshore over internal continental shelf only

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26718')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26718')
```

In Ontario replaced by NAD27(76) / UTM zone 18N (code 2030). In Quebec replaced by NAD27(CGQ77) / UTM zone 18N (code 2032).

NAD27 / UTM zone 19N

Extent: North America - between 72°W and 66°W. Canada - New Brunswick; Labrador; Nunavut; Nova Scotia; Quebec. United States (USA) - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont. Onshore and offshore for US and Canadian east coasts

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26719')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26719')
```

In Quebec replaced by NAD27(CGQ77) / UTM zone 19N (code 2033).

NAD27 / UTM zone 1N

Extent: United States (USA) - between 180°W and 174°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26701')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26701')
```

NAD27 / UTM zone 20N

Extent: North America - between 66°W and 60°W - onshore and offshore. Canada - New Brunswick; Labrador; Nova Scotia; Nunavut; Prince Edward Island; Quebec. United States (USA) offshore Atlantic

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26720')
```

In Quebec replaced by NAD27(CGQ77) / UTM zone 20N (code 2034).

NAD27 / UTM zone 21N

Extent: Canada between 60°W and 54°W, onshore and offshore - Newfoundland and Labrador; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26721')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26721')
```

In Quebec replaced by NAD27(CGQ77) / UTM zone 21N (code 2035).

NAD27 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26722')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26722')
```

NAD27 / UTM zone 2N

Extent: United States (USA) - between 174°W and 168°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26702')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26702')
```

NAD27 / UTM zone 3N

Extent: United States (USA) - between 168°W and 162°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26703')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26703')
```

NAD27 / UTM zone 4N

Extent: United States (USA) - between 162°W and 156°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26704')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26704')
```

NAD27 / UTM zone 59N

Extent: United States (USA) - west of 174°E. Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3370')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3370')
```

NAD27 / UTM zone 5N

Extent: United States (USA) - between 156°W and 150°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26705')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26705')
```

NAD27 / UTM zone 60N

Extent: United States (USA) - between 174°E and 180°E - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3371')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3371')
```

NAD27 / UTM zone 6N

Extent: United States (USA) - between 150°W and 144°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26706')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26706')
```

NAD27 / UTM zone 7N

Extent: North America - between 144°W and 138°W. Canada - British Columbia; Yukon. United States (USA) - Alaska. Onshore for western Canada & but onshore and offshore for Alaska

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26707')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26707')
```

NAD27 / UTM zone 8N

Extent: North America - between 138°W and 132°W - onshore. Canada - British Columbia; Northwest Territiories; Yukon. United States (USA) - Alaska. Onshore for Canadian British Columbia & Arctic and for US Pacific coast including Alaska panhandle

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26708')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26708')
```

NAD27 / UTM zone 9N

Extent: North America - between 132°W and 126°W - onshore. Canada - British Columbia; Northwest Territories; Yukon. United States (USA) - Alaska. Onshore for Canadian British Colombia & Arctic coasts and for the US Pacific coast including Alaska panhandle

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26709')
```

NAD27 / Utah Central

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD27_UTAH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32043')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTAH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32043')
```

NAD27 / Utah North

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD27_UTAH_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32042')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTAH_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32042')
```

NAD27 / Utah South

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD27_UTAH_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32044')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_UTAH_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32044')
```

NAD27 / Vermont

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD27_VERMONT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32045')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_VERMONT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32045')
```

NAD27 / Virginia North

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD27_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32046')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32046')
```

NAD27 / Virginia South

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD27_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32047')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32047')
```

NAD27 / Washington North

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD27_WASHINGTON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WASHINGTON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32048')
```

NAD27 / Washington South

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD27_WASHINGTON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32049')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WASHINGTON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32049')
```

NAD27 / West Virginia North

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32050')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32050')
```

NAD27 / West Virginia South

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32051')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32051')
```

NAD27 / Wisconsin Central

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32053')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WISCONSIN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32053')
```

NAD27 / Wisconsin North

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32052')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WISCONSIN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32052')
```

NAD27 / Wisconsin South

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32054')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WISCONSIN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32054')
```

NAD27 / Wisconsin Transverse Mercator

Extent: United States (USA) - Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3069')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WISCONSIN_TRANSVERSE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3069')
```

Designed as a single zone for the whole state. Replaced by NAD83 / Wisconsin Transverse Mercator (CRS code 3070).

NAD27 / Wyoming East

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32055')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32055')
```

NAD27 / Wyoming East Central

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32056')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32056')
```

NAD27 / Wyoming West

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32058')
```

NAD27 / Wyoming West Central

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32057')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32057')
```

NAD27(76) / MTM zone 10

Extent: Canada - Ontario - between 81°W and 78°W: south of 46°N in area to west of 80°15'W, south of 47°N in area between 80°15'W and 79°30'W, entire province between 79°30'W and 78°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2019')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2019')
```

NAD27(76) / MTM zone 11

Extent: Canada - Ontario - south of 46°N and west of 81°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2020')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2020')
```

NAD27(76) / MTM zone 12

Extent: Canada - Ontario - between 82°30'W and 79°30'W: north of 46°N in area between 82°30'W and 80°15'W, north of 47°N in area between 80°15'W and 79°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2021')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2021')
```

NAD27(76) / MTM zone 13

Extent: Canada - Ontario - between 85°30'W and 82°30'W and north of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2022')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2022')
```

NAD27(76) / MTM zone 14

Extent: Canada - Ontario - between 88°30'W and 85°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2023')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2023')
```

NAD27(76) / MTM zone 15

Extent: Canada - Ontario - between 91°30'W and 88°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2024')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2024')
```

NAD27(76) / MTM zone 16

Extent: Canada - Ontario - between 94°30'W and 91°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2025')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2025')
```

NAD27(76) / MTM zone 17

Extent: Canada - Ontario - west of 94°30'W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2026')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2026')
```

NAD27(76) / MTM zone 8

Extent: Canada - Ontario - east of 75°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2017')
```

NAD27(76) / MTM zone 9

Extent: Canada - Ontario - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2018')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2018')
```

NAD27(76) / UTM zone 15N

Extent: Canada - Ontario - west of 90°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2027')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2027')
```

Replaces NAD27 / UTM zone 15N (code 26715).

NAD27(76) / UTM zone 16N

Extent: Canada - Ontario - between 90°W and 84°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2028')
```

Replaces NAD27 / UTM zone 16N (code 26716).

NAD27(76) / UTM zone 17N

Extent: Canada - Ontario - between 84°W and 78°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2029')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2029')
```

Replaces NAD27 / UTM zone 17N (code 26717).

NAD27(76) / UTM zone 18N

Extent: Canada - Ontario - east of 78°W

```
Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2030')
```

Replaces NAD27 / UTM zone 18N (code 26718).

NAD27(CGQ77) / Quebec Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_QUEBEC_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2138')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_QUEBEC_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2138')
```

Replaced NAD27 / Quebec Lambert (code 32098) in 1977.

NAD27(CGQ77) / SCoPQ zone 10

Extent: Canada - Quebec - west of 78°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2016')
```

NAD27(CGQ77) / SCoPQ zone 3

Extent: Canada - Quebec - east of 60°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2009')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2009')
```

NAD27(CGQ77) / SCoPQ zone 4

Extent: Canada - Quebec - between 63°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2010')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2010')
```

NAD27(CGQ77) / SCoPQ zone 5

Extent: Canada - Quebec - between 66°W and 63°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2011')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2011')
```

NAD27(CGQ77) / SCoPQ zone 6

Extent: Canada - Quebec - between 69°W and 66°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2012')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2012')
```

NAD27(CGQ77) / SCoPQ zone 7

Extent: Canada - Quebec - between 72°W and 69°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2013')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2013')
```

NAD27(CGQ77) / SCoPQ zone 8

Extent: Canada - Quebec - between 75°W and 72°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2014')
```

NAD27(CGQ77) / SCoPQ zone 9

Extent: Canada - Quebec - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2015')
```

NAD27(CGQ77) / UTM zone 17N

Extent: Canada - Quebec - west of 78°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2031')
```

Replaces NAD27 / UTM zone 17N (code 26717).

NAD27(CGQ77) / UTM zone 18N

Extent: Canada - Quebec - between 78°W and 72°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2032')
```

Replaces NAD27 / UTM zone 18N (code 26718).

NAD27(CGQ77) / UTM zone 19N

Extent: Canada - Quebec - between 72°W and 66°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2033')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2033')
```

Replaces NAD27 / UTM zone 19N (code 26719).

NAD27(CGQ77) / UTM zone 20N

Extent: Canada - Quebec - between 66°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2034')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2034')
```

Replaces NAD27 / UTM zone 20N (code 26720).

NAD27(CGQ77) / UTM zone 21N

Extent: Canada - Quebec - east of 60°W

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2035')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2035')
```

Replaces NAD27 / UTM zone 21N (code 26721).

NAD83 / Alabama East

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Projected::fromSRID(Projected::EPSG_NAD83_ALABAMA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26929')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALABAMA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26929')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Alabama West

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_ALABAMA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26930')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALABAMA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26930')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Alaska Albers

Extent: United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3338')
```

NAD83 / Alaska zone 1

Extent: United States (USA) - Alaska - east of 141°W; i.e. Panhandle

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26931')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26931')
```

NAD83 / Alaska zone 10

Extent: United States (USA) - Alaska - Aleutian Islands onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26940')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26940')
```

NAD83 / Alaska zone 2

Extent: United States (USA) - Alaska - between 144°W and 141°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26932')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26932')
```

NAD83 / Alaska zone 3

Extent: United States (USA) - Alaska - between 148°W and 144°W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26933')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26933')
```

NAD83 / Alaska zone 4

Extent: United States (USA) - Alaska - between 152°W and 148°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26934')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26934')
```

NAD83 / Alaska zone 5

Extent: United States (USA) - Alaska - between 156°W and 152°W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26935')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26935')
```

NAD83 / Alaska zone 6

Extent: United States (USA) - Alaska - between 160°W and 156°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26936')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26936')
```

NAD83 / Alaska zone 7

Extent: United States (USA) - Alaska - between 164°W and 160°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26937')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26937')
```

NAD83 / Alaska zone 8

Extent: United States (USA) - Alaska onshore north of 54°30'N and between 168°W and 164°W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26938')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26938')
```

NAD83 / Alaska zone 9

Extent: United States (USA) - Alaska onshore north of 54°30'N and west of 168°W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26939')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26939')
```

NAD83 / Alberta 10-TM (Forest)

Extent: Canada - Alberta

```
Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_10_TM_FOREST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3400')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALBERTA_10_TM_FOREST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3400')
```

Easting coordinates are always positive in Alberta. For an alternative with easting coordinates that may be either positive or negative, see NAD83 / Alberta 10-TM (Resource) (CRS code 3401).

NAD83 / Alberta 10-TM (Resource)

Extent: Canada - Alberta

```
Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_10_TM_RESOURCE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3401')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALBERTA_10_TM_RESOURCE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3401')
```

Has negative easting coordinates in western Alberta. For an alternative with positive coordinates see NAD83 / Alberta 10-TM (Forest) (CRS code 3400).

NAD83 / Alberta 3TM ref merid 111 W

Extent: Canada - Alberta - east of 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_111_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3775')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_111_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3775')
```

If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83 / UTM zone 12N (CRS code 26912) is encouraged in these rural areas.

NAD83 / Alberta 3TM ref merid 114 W

Extent: Canada - Alberta - between 115°30'W and 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_114_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3776')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_114_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3776')
```

If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83 / UTM zones 11N and 12N (CRS codes 26911 and 26912) is encouraged in these rural areas.

NAD83 / Alberta 3TM ref merid 117 W

Extent: Canada - Alberta - between 118°30'W and 115°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_117_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3777')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_117_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3777')
```

If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83 / UTM zone 11N (CRS code 26911) is encouraged in these rural areas.

NAD83 / Alberta 3TM ref merid 120 W

Extent: Canada - Alberta - west of 118°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_120_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3801')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_120_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3801')
```

If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD83 / UTM zone 11N (CRS code 26911) encouraged in these rural areas.

NAD83 / Arizona Central

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26949')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26949')
```

State law defines system in International feet (note: not US survey feet). See code 2223 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Arizona Central (ft)

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2223')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2223')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26949. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Arizona East

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26948')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26948')
```

State law defines system in International feet (note: not US survey feet). See code 2222 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Arizona East (ft)

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2222')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26948. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Arizona West

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26950')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26950')
```

State law defines system in International feet (note: not US survey feet). See code 2224 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Arizona West (ft)

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2224')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26950. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Arkansas North

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26951')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26951')
```

State law defines system in US survey feet. See code 3433 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Arkansas North (ftUS)

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3433')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3433')
```

State law defines system in US survey feet. Federal definition is metric - see code 26951. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Arkansas South

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26952')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26952')
```

State law defines system in US survey feet. See code 3434 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Arkansas South (ftUS)

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3434')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3434')
```

State law defines system in US survey feet. Federal definition is metric - see code 26952. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / BC Albers

Extent: Canada - British Columbia

```
Projected::fromSRID(Projected::EPSG_NAD83_BC_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3005')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BC_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3005')
```

This CRS name may sometimes be used as an alias for NAD83(CSRS) / BC Albers. See CRS code 3153

NAD83 / BLM 10N (ftUS)

Extent: United States (USA) - between 126°W and 120°W onshore and offshore - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_10N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4430')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_10N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4430')
```

NAD83 / BLM 11N (ftUS)

Extent: United States (USA) - between 120°W and 114°W onshore and offshore - California, Idaho, Nevada, Oregon, Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_11N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4431')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_11N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4431')
```

NAD83 / BLM 12N (ftUS)

Extent: United States (USA) - between 114°W and 108°W - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_12N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4432')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_12N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4432')
```

NAD83 / BLM 13N (ftUS)

Extent: United States (USA) - between 108°W and 102°W - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_13N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4433')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_13N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4433')
```

NAD83 / BLM 14N (ftUS)

Extent: United States (USA) - between 102°W and 96°W. Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas; Gulf of Mexico outer continental shelf (GoM OCS) west of approximately 96°W - protraction areas Corpus Christi; Port Isabel

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_14N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32164')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_14N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32164')
```

See NAD83 / UTM zone 14N (code 26914) for metric equivalent. See NAD27 / BLM 14N (ftUS) (code 32064) for system used in US Gulf of Mexico oil operations.

NAD83 / BLM 15N (ftUS)

Extent: United States (USA) - between 96°W and 90°W - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin; Gulf of Mexico outer continental shelf (GoM OCS) between approximately 96°W and 90°W - protraction areas East Breaks; Alaminos Canyon; Garden Banks; Keathley Canyon; Sigsbee Escarpment; Ewing Bank; Green Canyon; Walker Ridge; Amery Terrace

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_15N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32165')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_15N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32165')
```

See NAD83 / UTM zone 15N (code 26915) for metric equivalent. See NAD27 / BLM 14N (ftUS) (code 32065) for system used in US Gulf of Mexico oil operations.

NAD83 / BLM 16N (ftUS)

Extent: United States (USA) - between 90°W and 84°W onshore and offshore - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin; Gulf of Mexico outer continental shelf (GoM OCS) between approximately 90°W and 84°W - protraction areas Mobile; Viosca Knoll; Mississippi Canyon; Atwater Valley; Lund; Lund South; Pensacola; Destin Dome; De Soto Canyon; Lloyd Ridge; Henderson; Florida Plain; Campeche Escarpment; Apalachicola; Florida Middle Ground; The Elbow; Vernon Basin; Howell Hook; Rankin

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_16N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32166')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_16N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32166')
```

See NAD83 / UTM zone 16N (code 26916) for metric equivalent. See NAD27 / BLM 16N (ftUS) (code 32066) for system used in US Gulf of Mexico oil operations.

NAD83 / BLM 17N (ftUS)

Extent: United States (USA) - between 84°W and 78°W onshore and offshore - Florida; Georgia; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia; Gulf of Mexico outer continental shelf (GoM OCS) east of approximately 84°W - protraction areas Gainesville; Tarpon Springs; St Petersburg; Charlotte Harbor; Pulley Ridge; Dry Tortugas; Tortugas Valley; Miami; Key West

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_17N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32167')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_17N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32167')
```

See NAD83 / UTM zone 17N (code 26917) for metric equivalent. See NAD27 / BLM 17N (ftUS) (code 32067) for system used in US Gulf of Mexico oil operations.

NAD83 / BLM 18N (ftUS)

Extent: United States (USA) - between 78°W and 72°W onshore and offshore - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_18N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4438')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_18N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4438')
```

NAD83 / BLM 19N (ftUS)

Extent: United States (USA) - between 72°W and 66°W onshore and offshore - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_19N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4439')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_19N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4439')
```

NAD83 / BLM 1N (ftUS)

Extent: United States (USA) - between 180°W and 174°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_1N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_1N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4421')
```

NAD83 / BLM 2N (ftUS)

Extent: United States (USA) - between 174°W and 168°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_2N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_2N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4422')
```

NAD83 / BLM 3N (ftUS)

Extent: United States (USA) - between 168°W and 162°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_3N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_3N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4423')
```

NAD83 / BLM 4N (ftUS)

Extent: United States (USA) - between 162°W and 156°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_4N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4424')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_4N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4424')
```

NAD83 / BLM 59N (ftUS)

Extent: United States (USA) - west of 174°E. Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_59N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_59N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4217')
```

NAD83 / BLM 5N (ftUS)

Extent: United States (USA) - between 156°W and 150°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_5N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4425')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_5N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4425')
```

NAD83 / BLM 60N (ftUS)

Extent: United States (USA) - between 174°E and 180°E - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_60N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_60N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4420')
```

NAD83 / BLM 6N (ftUS)

Extent: United States (USA) - between 150°W and 144°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_6N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4426')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_6N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4426')
```

NAD83 / BLM 7N (ftUS)

Extent: United States (USA) - between 144°W and 138°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_7N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4427')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_7N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4427')
```

NAD83 / BLM 8N (ftUS)

Extent: United States (USA) - between 138°W and 132°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_8N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4428')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_8N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4428')
```

NAD83 / BLM 9N (ftUS)

Extent: United States (USA) - between 132°W and 126°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_9N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_BLM_9N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4429')
```

NAD83 / California Albers

Extent: United States (USA) - California

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3310')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / California Albers.

NAD83 / California zone 1

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26941')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26941')
```

State law defines system in US survey feet. See code 2225 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 1 (ftUS)

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2225')
```

State law defines system in US survey feet. Federal definition is metric - see code 26941. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 2

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26942')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26942')
```

State law defines system in US survey feet. See code 2226 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 2 (ftUS)

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2226')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2226')
```

State law defines system in US survey feet. Federal definition is metric - see code 26942. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 3

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26943')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26943')
```

State law defines system in US survey feet. See code 2227 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 3 (ftUS)

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2227')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2227')
```

State law defines system in US survey feet. Federal definition is metric - see code 26943. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 4

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26944')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26944')
```

State law defines system in US survey feet. See code 2228 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 4 (ftUS)

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2228')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2228')
```

State law defines system in US survey feet. Federal definition is metric - see code 26944. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 5

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26945')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26945')
```

State law defines system in US survey feet. See code 2229 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 5 (ftUS)

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2229')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2229')
```

State law defines system in US survey feet. Federal definition is metric - see code 26945. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 6

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26946')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26946')
```

State law defines system in US survey feet. See code 2230 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / California zone 6 (ftUS)

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2230')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2230')
```

State law defines system in US survey feet. Federal definition is metric - see code 26946. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Canada Atlas Lambert

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CANADA_ATLAS_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3978')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CANADA_ATLAS_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3978')
```

Data may sometimes be referenced to NAD83(CSRS) / Canada Atlas Lambert (see CRS code 3979) which is then called "NAD83 / Canada Lambert". At the scales involved the difference of under 2 metres between the two CRSs may not be significant.

NAD83 / Colorado Central

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26954')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26954')
```

State law defines system in US survey feet. See code 2232 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Colorado Central (ftUS)

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2232')
```

State law defines system in US survey feet. Federal definition is metric - see code 26954. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Colorado North

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26953')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26953')
```

State law defines system in US survey feet. See code 2231 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Colorado North (ftUS)

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2231')
```

State law defines system in US survey feet. Federal definition is metric - see code 26953. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Colorado South

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26955')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26955')
```

State law defines system in US survey feet. See code 2233 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Colorado South (ftUS)

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2233')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2233')
```

State law defines system in US survey feet. Federal definition is metric - see code 26955. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Connecticut

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_CONNECTICUT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26956')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CONNECTICUT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26956')
```

State law defines system in US survey feet. See code 2234 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Connecticut (ftUS)

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_CONNECTICUT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2234')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CONNECTICUT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2234')
```

State law defines system in US survey feet. Federal definition is metric - see code 26956. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Conus Albers

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_CONUS_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5070')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CONUS_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5070')
```

Replaces NAD27 / Conus Albers (CRS code 5069). For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Conus Albers (CRS code 5071).

NAD83 / Delaware

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_DELAWARE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26957')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_DELAWARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26957')
```

State law defines system in US survey feet. See code 2235 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Delaware (ftUS)

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_DELAWARE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_DELAWARE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2235')
```

State law defines system in US survey feet. Federal definition is metric - see code 26957. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Florida East

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26958')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26958')
```

State law defines system in US survey feet. See code 2236 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Florida East (ftUS)

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2236')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2236')
```

State law defines system in US survey feet. Federal definition is metric - see code 26958. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Florida GDL Albers

Extent: United States (USA) - Florida

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_GDL_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3086')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_GDL_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3086')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Florida GDL Albers.

NAD83 / Florida North

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26960')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26960')
```

State law defines system in US survey feet. See code 2238 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Florida North (ftUS)

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2238')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2238')
```

State law defines system in US survey feet. Federal definition is metric - see code 26960. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Florida West

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26959')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26959')
```

State law defines system in US survey feet. See code 2237 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Florida West (ftUS)

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2237')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2237')
```

State law defines system in US survey feet. Federal definition is metric - see code 26959. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Georgia East

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26966')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26966')
```

State law defines system in US survey feet. See code 2239 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Georgia East (ftUS)

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2239')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2239')
```

State law defines system in US survey feet. Federal definition is metric - see code 26966. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Georgia West

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26967')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_GEORGIA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26967')
```

State law defines system in US survey feet. See code 2240 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Georgia West (ftUS)

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_GEORGIA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2240')
```

State law defines system in US survey feet. Federal definition is metric - see code 26967. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Great Lakes Albers

Extent: Canada and United States (USA) - Great Lakes basin

```
Projected::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3174')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3174')
```

NAD83 / Great Lakes and St Lawrence Albers

Extent: Canada and United States (USA) - Great Lakes basin and St Lawrence Seaway

```
Projected::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_AND_ST_LAWRENCE_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3175')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_AND_ST_LAWRENCE_
↪ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3175')
```

NAD83 / Hawaii zone 1

Extent: United States (USA) - Hawaii - island of Hawaii - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26961')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26961')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Hawaii zone 2

Extent: United States (USA) - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26962')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26962')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Hawaii zone 3

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26963')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26963')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Hawaii zone 3 (ftUS)

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3759')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3759')
```

State has no law defining grid unit; system therefore not recognised by Federal authorities. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Hawaii zone 4

Extent: United States (USA) - Hawaii - Kauai - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26964')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26964')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Hawaii zone 5

Extent: United States (USA) - Hawaii - Niihau - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26965')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26965')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Idaho Central

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26969')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26969')
```

State law defines system in US survey feet. See code 2242 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Idaho Central (ftUS)

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2242')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2242')
```

State law defines system in US survey feet. Federal definition is metric - see code 26969. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Idaho East

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26968')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26968')
```

State law defines system in US survey feet. See code 2241 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Idaho East (ftUS)

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2241')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2241')
```

State law defines system in US survey feet. Federal definition is metric - see code 26968. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Idaho Transverse Mercator

Extent: United States (USA) - Idaho

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_TRANSVERSE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8826')
```

Replaces IDTM27.

NAD83 / Idaho West

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26970')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26970')
```

State law defines system in US survey feet. See code 2243 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Idaho West (ftUS)

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2243')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2243')
```

State law defines system in US survey feet. Federal definition is metric - see code 26970. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Illinois East

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26971')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26971')
```

State law defines system in US survey feet. See code 3435 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Illinois East (ftUS)

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3435')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3435')
```

State law defines system in US survey feet. Federal definition is metric - see code 26971. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Illinois West

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26972')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26972')
```

State law defines system in US survey feet. See code 3436 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Illinois West (ftUS)

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3436')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3436')
```

State law defines system in US survey feet. Federal definition is metric - see code 26972. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Indiana East

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26973')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26973')
```

State law defines system in US survey feet. See code 2965 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Indiana East (ftUS)

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2965')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2965')
```

State law defines system in US survey feet. Federal definition is metric - see code 26973. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Indiana West

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26974')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26974')
```

State law defines system in US survey feet. See code 2966 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Indiana West (ftUS)

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2966')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2966')
```

State law defines system in US survey feet. Federal definition is metric - see code 26974. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Iowa North

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26975')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26975')
```

State law defines system in US survey feet. See code 3417 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Iowa North (ftUS)

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3417')
```

State law defines system in US survey feet. Federal definition is metric - see code 26975. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Iowa South

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26976')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26976')
```

State law defines system in US survey feet. See code 3418 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Iowa South (ftUS)

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3418')
```

State law defines system in US survey feet. Federal definition is metric - see code 26976. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Kansas LCC

Extent: United States (USA) - Kansas

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6922')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6922')
```

KS DOT defines system in US survey feet. See code 6923 for equivalent non-metric definition. For applications with an accuracy of better than 2m, use NAD83(2011) / LCC (m) (CRS code 6924).

NAD83 / Kansas LCC (ftUS)

Extent: United States (USA) - Kansas

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6923')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6923')
```

KS DOT defines system in US survey feet. See code 6922 for equivalent metric definition. For applications with an accuracy of better than 5ft, use NAD83(2011) / LCC (ftUS) (CRS code 6924).

NAD83 / Kansas North

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26977')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26977')
```

State law defines system in US survey feet. See code 3419 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Kansas North (ftUS)

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3419')
```

State law defines system in US survey feet. Federal definition is metric - see code 26977. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Kansas South

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26978')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26978')
```

State law defines system in US survey feet. See code 3420 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Kansas South (ftUS)

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3420')
```

State law defines system in US survey feet. Federal definition is metric - see code 26978. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Kentucky North

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2205')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2205')
```

State law defines system in US survey feet. See code 2246 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Kentucky North (ftUS)

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2246')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2246')
```

State law defines system in US survey feet. Federal definition is metric - see code 2205. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Kentucky Single Zone

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3088')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3088')
```

State law defines system in US survey feet. See code 3089 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Kentucky (m) (code 3090).

NAD83 / Kentucky Single Zone (ftUS)

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3089')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3089')
```

State law defines system in US survey feet. See code 3088 for equivalent metric definition. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / Kentucky (ftUS) (code 3091).

NAD83 / Kentucky South

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26980')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26980')
```

State law defines system in US survey feet. See code 2247 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Kentucky South (ftUS)

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2247')
```

State law defines system in US survey feet. Federal definition is metric - see code 26980. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Louisiana North

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26981')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26981')
```

State law defines system in US survey feet. See code 3451 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Louisiana North (ftUS)

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3451')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3451')
```

State law defines system in US survey feet. Federal definition is metric - see code 26981. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Louisiana Offshore

Extent: United States (USA) - Louisiana

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32199')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32199')
```

This system is NOT used for oil industry purposes. State law defines system in US survey feet. See code 3453 for equivalent non-metric definition.

NAD83 / Louisiana Offshore (ftUS)

Extent: United States (USA) - Louisiana

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3453')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3453')
```

This system is NOT used for oil industry purposes. State law defines system in US survey feet. Federal definition is metric - see code 32199.

NAD83 / Louisiana South

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26982')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26982')
```

State law defines system in US survey feet. See code 3452 for equivalent non-metric definition. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Louisiana South (ftUS)

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3452')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3452')
```

State law defines system in US survey feet. Federal definition is metric - see code 26982. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / MTM zone 1

Extent: Canada - Newfoundland - onshore east of 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32181')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32181')
```

NAD83 / MTM zone 10

Extent: Canada - Quebec west of 78°W; Canada - Ontario - between 79°30'W and 78°W in area to north of 47°N; between 80°15'W and 78°W in area between 46°N and 47°N; between 81°W and 78°W in area south of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32190')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32190')
```

Known in Quebec as "NAD83 / SCoPQ zone 10" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 11

Extent: Canada - Ontario - south of 46°N and west of 81°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32191')
```

NAD83 / MTM zone 12

Extent: Canada - Ontario - between 82°30'W and 79°30'W: north of 46°N in area between 82°30'W and 80°15'W, north of 47°N in area between 80°15'W and 79°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32192')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32192')
```

NAD83 / MTM zone 13

Extent: Canada - Ontario - between 85°30'W and 82°30'W and north of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32193')
```

NAD83 / MTM zone 14

Extent: Canada - Ontario - between 88°30'W and 85°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32194')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32194')
```

NAD83 / MTM zone 15

Extent: Canada - Ontario - between 91°30'W and 88°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32195')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32195')
```

NAD83 / MTM zone 16

Extent: Canada - Ontario - between 94°30'W and 91°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32196')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32196')
```

NAD83 / MTM zone 17

Extent: Canada - Ontario - west of 94°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32197')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32197')
```

NAD83 / MTM zone 2

Extent: Canada - Newfoundland and Labrador between 57°30'W and 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32182')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32182')
```

NAD83 / MTM zone 3

Extent: Canada - Newfoundland and Labrador between 60°W and 57°30'W; Canada - Quebec east of 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32183')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32183')
```

Known in Quebec as "NAD83 / SCoPQ zone 3" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 4

Extent: Canada - Quebec and Labrador between 63°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32184')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32184')
```

Known in Quebec as "NAD83 / SCoPQ zone 4" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 5

Extent: Canada - Quebec and Labrador between 66°W and 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32185')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32185')
```

Known in Quebec as "NAD83 / SCoPQ zone 5" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 6

Extent: Canada - Quebec and Labrador between 69°W and 66°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32186')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32186')
```

Known in Quebec as "NAD83 / SCoPQ zone 6" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 7

Extent: Canada - Quebec - between 72°W and 69°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32187')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32187')
```

Known in Quebec as "NAD83 / SCoPQ zone 7" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 8

Extent: Canada - Quebec between 75°W and 72°W.; Canada - Ontario - east of 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32188')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32188')
```

Known in Quebec as "NAD83 / SCoPQ zone 8" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTM zone 9

Extent: Canada - Quebec and Ontario - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32189')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32189')
```

Known in Quebec as "NAD83 / SCoPQ zone 9" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83 / MTQ Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_MTQ_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3798')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MTQ_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3798')
```

Replaces NAD27 / MTQ Lambert (CRS code 3797). For accuracies better tham 1m replaced by NAD83(CSRS) / MTQ Lambert (CRS code 3799).

NAD83 / Maine CS2000 Central

Extent: United States (USA) - Maine between approximately 69°40'W and 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence northeasterly along the state line to the intersection of the Fort Kent - Frenchville town line, thence southerly along this town line to the intersection with the New Canada Plantation - T17 R5 WELS town line, thence continuing southerly along town lines to the northeast corner of Penobscot County, thence continuing southerly along the Penobscot County line to the intersection of the Woodville - Mattawamkeag town line (being determined by the Penobscot River), thence along the Penobscot River to the Enfield - Lincoln town line, thence southeasterly along the Enfield - Lincoln town line and the Enfield - Lowell town line to the Passadumkeag - Edinburg town line, thence south-southeasterly along town lines to the intersection of the Hancock County line, thence southerly along the county line to the intersection of the Otis - Mariaville town line, thence southerly along the Otis - Mariaville town line to the Ellsworth city line, thence southerly along the Ellsworth city line to the intersection of the Surry - Trenton town line, thence southerly along the easterly town lines of Surry, Blue Hill,

Brooklin, Deer Isle, and Stonington to the Knox County line, thence following the Knox County line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Sagadahoc - Lincoln county line, thence northerly along the easterly boundary of the Maine 2000 West Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3463')
```

In Maine Department of Transportation and other State agencies replaces CS27 and SPCS83 from 1/1/2001. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / CS2000.

NAD83 / Maine CS2000 East

Extent: United States (USA) - Maine east of approximately 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the Fort Kent - Frenchville town line, thence continuing easterly and then southerly along the state line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Knox and Hancock County line, thence northerly along the easterly boundary of the Maine 2000 Central Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3072')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3072')
```

In Maine Department of Transportation and other State agencies replaces CS27 and SPCS83 from 1/1/2001. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / CS2000.

NAD83 / Maine CS2000 West

Extent: United States (USA) - Maine west of approximately 69°40'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence following the Somerset County line Easterly to the Northwest corner of the Somerset and Piscataquis county line, thence Southerly along this county line to the northeast corner of the Athens town line, thence westerly along the town line between Brighton Plantation and Athens to the westerly corner of Athens, and continuing southerly to the southwest corner of the town of Athens where it meets the Cornville town line, thence westerly along the Cornville - Solon town line to the intersection of the Cornville - Madison town line, thence southerly and westerly following the Madison town line to the intersection of the Norridgewock - Skowhegan town line, thence southerly along the Skowhegan town line to the Fairfield town line, thence easterly along the Fairfield town line to the Clinton town line (being determined by the Kennebec River), thence southerly along the Kennebec River to the Augusta city line, thence easterly along the city line to the Windsor town line, thence southerly along the Augusta - Windsor town line to the northwest corner of the Lincoln County line, thence southerly along the westerly Lincoln county line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary on the westerly side of the state to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3074')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3074')
```

In Maine Department of Transportation and other State agencies replaces CS27 and SPCS83 from 1/1/2001. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / CS2000.

NAD83 / Maine East

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26983')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26983')
```

State law defines system in US survey feet. See code 26847 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Maine East (ftUS)

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26847')
```

State law defines use of US survey feet. Federal definition is metric - see code 26983. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Maine West

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26984')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26984')
```

State law defines system in US survey feet. See code 26848 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Maine West (ftUS)

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MAINE_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26848')
```

State law defines use of US survey feet. Federal definition is metric - see code 26984. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Maryland

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_MARYLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26985')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MARYLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26985')
```

State law defines system in US survey feet. See code 2248 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Maryland (ftUS)

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_MARYLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2248')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MARYLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2248')
```

State law defines system in US survey feet. Federal definition is metric - see code 26985. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Massachusetts Island

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26987')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26987')
```

State law defines system in US survey feet. See code 2250 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Massachusetts Island (ftUS)

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2250')
```

State law defines system in US survey feet. Federal definition is metric - see code 26987. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Massachusetts Mainland

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26986')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26986')
```

State law defines system in US survey feet. See code 2249 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Massachusetts Mainland (ftUS)

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2249')
```

State law defines system in US survey feet. Federal definition is metric - see code 26986. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Michigan Central

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26989')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26989')
```

State law defines system in International feet (note: not US survey feet). See code 2252 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Michigan Central (ft)

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2252')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26989. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Michigan North

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26988')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26988')
```

State law defines system in International feet (note: not US survey feet). See code 2251 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Michigan North (ft)

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2251')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26988. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Michigan Oblique Mercator

Extent: United States (USA) - Michigan

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_OBLIQUE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3078')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_OBLIQUE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3078')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Michigan Oblique Mercator.

NAD83 / Michigan South

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26990')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26990')
```

State law defines system in International feet (note: not US survey feet). See code 2253 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Michigan South (ft)

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2253')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 26990. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Minnesota Central

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26992')
```

State law defines system in US survey feet. See code 26850 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Minnesota Central (ftUS)

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26850')
```

State law defines use of US survey feet. Federal definition is metric - see code 26992. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Minnesota North

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26991')
```

State law defines system in US survey feet. See code 26849 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Minnesota North (ftUS)

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26849')
```

State law defines use of US survey feet. Federal definition is metric - see code 26991. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Minnesota South

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26993')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26993')
```

State law defines system in US survey feet. See code 26851 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Minnesota South (ftUS)

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26851')
```

State law defines use of US survey feet. Federal definition is metric - see code 26993. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Mississippi East

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26994')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26994')
```

State law defines system in US survey feet. See code 2254 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Mississippi East (ftUS)

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2254')
```

State law defines system in US survey feet. Federal definition is metric - see code 26994. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Mississippi TM

Extent: United States (USA) - Mississippi

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3814')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3814')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Mississippi TM (code 3815).

NAD83 / Mississippi West

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26995')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26995')
```

State law defines system in US survey feet. See code 2255 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Mississippi West (ftUS)

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2255')
```

State law defines system in US survey feet. Federal definition is metric - see code 26995. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Missouri Central

Extent: United States (USA) - Missouri - counties of Adair; Audrain; Benton; Boone; Callaway; Camden; Carroll; Chariton; Christian; Cole; Cooper; Dallas; Douglas; Greene; Grundy; Hickory; Howard; Howell; Knox; Laclede; Linn; Livingston; Macon; Maries; Mercer; Miller; Moniteau; Monroe; Morgan; Osage; Ozark; Pettis; Phelps; Polk; Pulaski; Putnam; Randolph; Saline; Schuyler; Scotland; Shelby; Stone; Sullivan; Taney; Texas; Webster; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26997')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSOURI_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26997')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Missouri East

Extent: United States (USA) - Missouri - counties of Bollinger; Butler; Cape Girardeau; Carter; Clark; Crawford; Dent; Dunklin; Franklin; Gasconade; Iron; Jefferson; Lewis; Lincoln; Madison; Marion; Mississippi; Montgomery; New Madrid; Oregon; Pemiscot; Perry; Pike; Ralls; Reynolds; Ripley; Scott; Shannon; St Charles; St Francois; St Louis; Ste. Genevieve; Stoddard; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26996')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSOURI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26996')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Missouri West

Extent: United States (USA) - Missouri - counties of Andrew; Atchison; Barry; Barton; Bates; Buchanan; Caldwell; Cass; Cedar; Clay; Clinton; Dade; Daviess; De Kalb; Gentry; Harrison; Henry; Holt; Jackson; Jasper; Johnson; Lafayette; Lawrence; McDonald; Newton; Nodaway; Platte; Ray; St Clair; Vernon; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26998')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MISSOURI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26998')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Montana

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_MONTANA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32100')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MONTANA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32100')
```

State law defines system in International feet (note: not US survey feet). See code 2256 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Montana (ft)

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_MONTANA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MONTANA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2256')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32100. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / NCRS Las Vegas (ftUS)

Extent: United States (USA) - Nevada - Las Vegas area below approximately 3000 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8380')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8380')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet. See CRS code 8379 for equivalent metric definition. Replaced by NAD83(2011) / NCRS Las Vegas (ftUS) (CRS code 8384).

NAD83 / NCRS Las Vegas (m)

Extent: United States (USA) - Nevada - Las Vegas area below approximately 3000 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8379')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8379')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet - see CRS code 8380. Replaced by NAD83(2011) / NCRS Las Vegas (m) (CRS code 8383).

NAD83 / NCRS Las Vegas high (ftUS)

Extent: United States (USA) - Nevada - Las Vegas area above approximately 2850 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8382')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8382')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet. See CRS code 8381 for equivalent metric definition. Replaced by NAD83(2011) / NCRS Las Vegas (ftUS) (CRS code 8387).

NAD83 / NCRS Las Vegas high (m)

Extent: United States (USA) - Nevada - Las Vegas area above approximately 2850 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8381')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8381')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet - see CRS code 8382. Replaced by NAD83(2011) / NCRS Las Vegas high (m) (CRS code 8385).

NAD83 / NWT Lambert

Extent: Canada - Northwest Territories onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NWT_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3580')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NWT_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3580')
```

This CRS name may sometimes be used as an alias for NAD83(CSRS) / NWT Lambert. See CRS code 3581.

NAD83 / Nebraska

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NEBRASKA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32104')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEBRASKA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32104')
```

State law defines system in US survey feet. See CRS code 26852 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Nebraska (ftUS)

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NEBRASKA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEBRASKA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26852')
```

State law defines use of US survey feet. Federal definition is metric - see code 32104. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Nevada Central

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32108')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32108')
```

State law defines system in US survey feet. See code 3422 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Nevada Central (ftUS)

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3422')
```

State law defines system in US survey feet. Federal definition is metric - see code 32108. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Nevada East

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32107')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32107')
```

State law defines system in US survey feet. See code 3421 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Nevada East (ftUS)

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3421')
```

State law defines system in US survey feet. Federal definition is metric - see code 32107. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Nevada West

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32109')
```

State law defines system in US survey feet. See code 3423 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Nevada West (ftUS)

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3423')
```

State law defines system in US survey feet. Federal definition is metric - see code 32109. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New Hampshire

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32110')
```

State law defines system in US survey feet. See code 3437 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New Hampshire (ftUS)

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3437')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3437')
```

State law defines system in US survey feet. Federal definition is metric - see code 32110. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New Jersey

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32111')
```

State law defines system in US survey feet. See code 3424 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New Jersey (ftUS)

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3424')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3424')
```

State law defines system in US survey feet. Federal definition is metric - see code 32111. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New Mexico Central

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32113')
```

State law defines system in US survey feet. See code 2258 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New Mexico Central (ftUS)

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2258')
```

State law defines system in US survey feet. Federal definition is metric - see code 32113. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New Mexico East

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32112')
```

State law defines system in US survey feet. See code 2257 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New Mexico East (ftUS)

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2257')
```

State law defines system in US survey feet. Federal definition is metric - see code 32112. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New Mexico West

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32114')
```

State law defines system in US survey feet. See code 2259 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New Mexico West (ftUS)

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2259')
```

State law defines system in US survey feet. Federal definition is metric - see code 32114. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New York Central

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32116')
```

State law defines system in US survey feet. See code 2261 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New York Central (ftUS)

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2261')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2261')
```

State law defines system in US survey feet. Federal definition is metric - see code 32116. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New York East

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32115')
```

State law defines system in US survey feet. See code 2260 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New York East (ftUS)

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2260')
```

State law defines system in US survey feet. Federal definition is metric - see code 32115. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New York Long Island

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32118')
```

State law defines system in US survey feet. See code 2264 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New York Long Island (ftUS)

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2263')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2263')
```

State law defines system in US survey feet. Federal definition is metric - see code 32118. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / New York West

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32117')
```

State law defines system in US survey feet. See code 2263 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / New York West (ftUS)

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2262')
```

State law defines system in US survey feet. Federal definition is metric - see code 32117. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / North Carolina

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32119')
```

State law defines system in US survey feet. See code 2264 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / North Carolina (ftUS)

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2264')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2264')
```

State law defines system in US survey feet. Federal definition is metric - see code 32119. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / North Dakota North

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32120')
```

State law defines system in International feet (note: not US survey feet). See code 2265 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / North Dakota North (ft)

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2265')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2265')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32120. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / North Dakota South

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32121')
```

State law defines system in International feet (note: not US survey feet). See code 2266 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / North Dakota South (ft)

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2266')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2266')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32121. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Ohio North

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32122')
```

State law defines system in US survey feet. See code 3734 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Ohio North (ftUS)

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3734')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3734')
```

State law defines system in US survey feet. Federal definition is metric - see code 32122. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Ohio South

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32123')
```

State law defines system in US survey feet. See code 3735 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Ohio South (ftUS)

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3735')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3735')
```

State law defines system in US survey feet. Federal definition is metric - see code 32123. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Oklahoma North

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32124')
```

State law defines system in US survey feet. See code 2267 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Oklahoma North (ftUS)

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2267')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2267')
```

State law defines system in US survey feet. Federal definition is metric - see code 32124. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Oklahoma South

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32125')
```

State law defines system in US survey feet. See code 2268 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Oklahoma South (ftUS)

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2268')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2268')
```

State law defines system in US survey feet. Federal definition is metric - see code 32125. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Ontario MNR Lambert

Extent: Canada - Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_ONTARIO_MNR_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3161')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_ONTARIO_MNR_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3161')
```

Replaces NAD27 / Ontario MNR Lambert. One of a number of similar projected CRSs used by Ontario MNR.

NAD83 / Oregon GIC Lambert (ft)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_GIC_LAMBERT_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OREGON_GIC_LAMBERT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2992')
```

State law defines use of International feet (note: not US survey feet). For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / Oregon GIC Lambert (ft) (CRS code 2994).

NAD83 / Oregon LCC (m)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_LCC_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OREGON_LCC_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2991')
```

See CRS code 2992 for non-metric definition used by state agencies. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Oregon LCC (m) (code 2993).

NAD83 / Oregon North

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32126')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32126')
```

State law defines system in International feet (note: not US survey feet). See code 2269 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Oregon North (ft)

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2269')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2269')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32126. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Oregon South

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32127')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32127')
```

State law defines system in International feet (note: not US survey feet). See code 2270 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Oregon South (ft)

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2270')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2270')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 32127. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Pennsylvania North

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32128')
```

State law defines system in US survey feet. See code 2271 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Pennsylvania North (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2271')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2271')
```

State law defines system in US survey feet. Federal definition is metric - see code 32128. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Pennsylvania South

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32129')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32129')
```

State law defines system in US survey feet. See code 2272 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Pennsylvania South (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2272')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2272')
```

State law defines system in US survey feet. Federal definition is metric - see code 32129. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Puerto Rico & Virgin Is.

Extent: Puerto Rico and US Virgin Islands - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PUERTO_RICO_AND_VIRGIN_IS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32161')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PUERTO_RICO_AND_VIRGIN_IS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32161')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Quebec Albers

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_QUEBEC_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6623')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_QUEBEC_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6623')
```

For applications with an accuracy of better than 2 metres, replaced by NAD83(CSRS) / Quebec Albers (CRS code 6624).

NAD83 / Quebec Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_QUEBEC_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32198')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_QUEBEC_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32198')
```

For applications with an accuracy of better than 2 metres, replaced by NAD83(CSRS) / Quebec Lambert (CRS code 6622).

NAD83 / Rhode Island

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32130')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32130')
```

State law defines system in US survey feet. See code 3438 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Rhode Island (ftUS)

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3438')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3438')
```

State law defines system in US survey feet. Federal definition is metric - see code 32130. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / South Carolina

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32133')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32133')
```

State law defines system in International feet (note: not US survey feet). See code 2273 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / South Carolina (ft)

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2273')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2273')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see CRS code 32133. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / South Dakota North

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32134')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32134')
```

State law defines system in US survey feet. See code 4457 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / South Dakota North (ftUS)

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4457')
```

State law defines system in US survey feet. Federal definition is metric - see code 32134. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / South Dakota South

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32135')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32135')
```

State law defines system in US survey feet. See code 3455 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / South Dakota South (ftUS)

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3455')
```

State law defines system in US survey feet. Federal definition is metric - see code 32135. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Statistics Canada Lambert

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_STATISTICS_CANADA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_STATISTICS_CANADA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3347')
```

Data may sometimes be referenced to NAD83(CSRS) / STC Lambert (see CRS code 3348) which is then called "NAD83 / STC Lambert". At the scales involved the difference of under 2 metres between the two CRSs may not be significant.

NAD83 / TWDB GM

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_TWDB_GM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10481')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TWDB_GM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10481')
```

Not to be confused with the similar but different TxGIO (TNRIS) CRS, NAD83 / Texas Centric Albers Equal Area (CRS code 3083).

NAD83 / Tennessee

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_TENNESSEE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32136')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TENNESSEE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32136')
```

State law defines system in US survey feet. See code 2274 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Tennessee (ftUS)

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_TENNESSEE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2274')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TENNESSEE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2274')
```

State law defines system in US survey feet. Federal definition is metric - see code 32136. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Teranet Ontario Lambert

Extent: Canada - Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_TERANET_ONTARIO_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TERANET_ONTARIO_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5320')
```

Data may sometimes be referenced to NAD83(CSRS) / Teranet Ontario Lambert (see CRS code 5321) which is then called "NAD83 / Teranet Ontario Lambert". At the scales involved the difference of under 2 metres between the two CRSs may not be significant.

NAD83 / Texas Central

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32139')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32139')
```

State law defines system in US survey feet. See code 2277 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas Central (ftUS)

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2277')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2277')
```

State law defines system in US survey feet. Federal definition is metric - see code 32139. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas Centric Albers Equal Area

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3083')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_ALBERS_EQUAL_
↪AREA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3083')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / TX Albers (CRS code 3085). See also NAD83 / TWDB GM (CRS code 10481). For state-wide spatial data presentation requiring shape preservation use NAD83 / TX LC (CRS code 3082).

NAD83 / Texas Centric Lambert Conformal

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_LAMBERT_CONFORMAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3082')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_LAMBERT_
↪CONFORMAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3082')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / TX LC (CRS code 3084). For state-wide spatial data presentation requiring true area measurements use NAD83 / TX Albers (CRS code 3083).

NAD83 / Texas North

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32137')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32137')
```

State law defines system in US survey feet. See code 2275 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas North (ftUS)

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2275')
```

State law defines system in US survey feet. Federal definition is metric - see code 32137. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas North Central

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32138')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32138')
```

State law defines system in US survey feet. See code 2276 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas North Central (ftUS)

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2276')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2276')
```

State law defines system in US survey feet. Federal definition is metric - see code 32138. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas South

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32141')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32141')
```

State law defines system in US survey feet. See code 2279 for equivalent non-metric definition. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas South (ftUS)

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2279')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2279')
```

State law defines system in US survey feet. Federal definition is metric - see code 32141. For onshore applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas South Central

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32140')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32140')
```

State law defines system in US survey feet. See code 2278 for equivalent non-metric definition. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas South Central (ftUS)

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2278')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2278')
```

State law defines system in US survey feet. Federal definition is metric - see code 32140. For onshore applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Texas State Mapping System

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_STATE_MAPPING_SYSTEM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3081')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_TEXAS_STATE_MAPPING_SYSTEM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3081')
```

Replaces NAD27 / Shackleford. From 2001 replaced by NAD83 / Texas Centric Mapping System (TCMS/LC and TCMS/AEA).

NAD83 / USFS R6 Albers

Extent: United States (USA) - Oregon and Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_USFS_R6_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9674')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_USFS_R6_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9674')
```

NAD83 / UTM zone 10N

Extent: North America - between 126°W and 120°W - onshore and offshore. Canada - British Columbia; Northwest Territories; Yukon. United States (USA) - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26910')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26910')
```

Replaces NAD27 / UTM zone 10N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 10N in Canada and NAD83(HARN) / UTM zone 10N in US.

NAD83 / UTM zone 11N

Extent: North America - between 120°W and 114°W - onshore and offshore. Canada - Alberta; British Columbia; Northwest Territories; Nunavut. United States (USA) - California; Idaho; Nevada, Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26911')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26911')
```

Replaces NAD27 / UTM zone 11N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 11N in Canada and NAD83(HARN) / UTM zone 11N in US.

NAD83 / UTM zone 12N

Extent: North America - between 114°W and 108°W - onshore and offshore. Canada - Alberta; Northwest Territories; Nunavut; Saskatchewan. United States (USA) - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26912')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26912')
```

Replaces NAD27 / UTM zone 12N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 12N in Canada and NAD83(HARN) / UTM zone 12N in US.

NAD83 / UTM zone 13N

Extent: North America - between 108°W and 102°W - onshore and offshore. Canada - Northwest Territories; Nunavut; Saskatchewan. United States (USA) - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26913')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26913')
```

Replaces NAD27 / UTM zone 13N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 13N in Canada and NAD83(HARN) / UTM zone 13N in US.

NAD83 / UTM zone 14N

Extent: North America - between 102°W and 96°W - onshore and offshore. Canada - Manitoba; Nunavut; Saskatchewan. United States (USA) - Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26914')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26914')
```

Replaces NAD27 / UTM zone 14N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 14N in Canada and NAD83(HARN) / UTM zone 14N in US.

NAD83 / UTM zone 15N

Extent: North America - between 96°W and 90°W - onshore and offshore. Canada - Manitoba; Nunavut; Ontario. United States (USA) - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26915')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26915')
```

Replaces NAD27 / UTM zone 15N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 15N in Canada and NAD83(HARN) / UTM zone 15N in US.

NAD83 / UTM zone 16N

Extent: North America - between 90°W and 84°W - onshore and offshore. Canada - Manitoba; Nunavut; Ontario. United States (USA) - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26916')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26916')
```

Replaces NAD27 / UTM zone 15N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 16N in Canada and NAD83(HARN) / UTM zone 16N in US.

NAD83 / UTM zone 17N

Extent: North America - between 84°W and 78°W - onshore and offshore. Canada - Nunavut; Ontario; Quebec. United States (USA) - Florida; Georgia; Kentucky; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26917')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26917')
```

Replaces NAD27 / UTM zone 17N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 17N in Canada and NAD83(HARN) / UTM zone 17N in US.

NAD83 / UTM zone 18N

Extent: North America - between 78°W and 72°W - onshore and offshore. Canada - Nunavut; Ontario; Quebec. United States (USA) - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26918')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26918')
```

Replaces NAD27 / UTM zone 18N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 18N in Canada and NAD83(HARN) / UTM zone 18N in US.

NAD83 / UTM zone 19N

Extent: North America - between 72°W and 66°W - onshore and offshore. Canada - Labrador; New Brunswick; Nova Scotia; Nunavut; Quebec. Puerto Rico. United States (USA) - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26919')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26919')
```

Replaces NAD27 / UTM zone 19N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 19N in Canada and NAD83(HARN) / UTM zone 19N in US.

NAD83 / UTM zone 1N

Extent: United States (USA) - between 180°W and 174°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26901')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26901')
```

Replaces NAD27 / UTM zone 1N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 1N.

NAD83 / UTM zone 20N

Extent: North America - between 66°W and 60°W - onshore and offshore. British Virgin Islands. Canada - New Brunswick; Labrador; Nunavut; Prince Edward Island; Quebec. Puerto Rico. US Virgin Islands. United States (USA) offshore Atlantic

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26920')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26920')
```

In Canada, replaces NAD27 / UTM zone 20N (CRS code 26720); for accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 20N(CRS code 2961). In BVI, replaces Puerto Rico / UTM zone 20N (CRS code 3920).

NAD83 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26921')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26921')
```

Replaces NAD27 / UTM zone 21N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 21N.

NAD83 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26922')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26922')
```

Replaces NAD27 / UTM zone 22N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 22N.

NAD83 / UTM zone 23N

Extent: Canada offshore Atlantic - 48°W to 42°W

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26923')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26923')
```

NAD83 / UTM zone 24N

Extent: Canada offshore Atlantic - east of 42°W

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9712')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9712')
```

NAD83 / UTM zone 2N

Extent: United States (USA) - between 174°W and 168°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26902')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26902')
```

Replaces NAD27 / UTM zone 2N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 2N.

NAD83 / UTM zone 3N

Extent: United States (USA) - between 168°W and 162°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26903')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26903')
```

Replaces NAD27 / UTM zone 3N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 3N.

NAD83 / UTM zone 4N

Extent: United States (USA) - between 162°W and 156°W onshore and offshore - Alaska, Hawaii

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26904')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26904')
```

Replaces NAD27 / UTM zone 4N in Alaska and Old Hawaii / UTM zone 4N in Hawaii. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 4N in Alaska and NAD83(HARN) UTM zone 4N in Hawaii.

NAD83 / UTM zone 59N

Extent: United States (USA) - west of 174°E. Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3372')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3372')
```

Replaces NAD27 / UTM zone 59N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 59N.

NAD83 / UTM zone 5N

Extent: United States (USA) - between 156°W and 150°W onshore and offshore - Alaska, Hawaii

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26905')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26905')
```

Replaces NAD27 / UTM zone 5N in Alaska and Old Hawaii / UTM zone 5N in Hawaii. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 5N in Alaska and NAD83(HARN) UTM zone 5N in Hawaii.

NAD83 / UTM zone 60N

Extent: United States (USA) - between 174°E and 180°E - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3373')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3373')
```

Replaces NAD27 / UTM zone 60N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 60N.

NAD83 / UTM zone 6N

Extent: United States (USA) - between 150°W and 144°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26906')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26906')
```

Replaces NAD27 / UTM zone 6N. For accuracies better than 1m replaced by NAD83(NSRS) / UTM zone 6N.

NAD83 / UTM zone 7N

Extent: North America - between 144°W and 138°W - onshore and offshore. Canada - British Columbia; Yukon. United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26907')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26907')
```

Replaces NAD27 / UTM zone 7N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 7N in Canada and NAD83(NSRS2007) / UTM zone 7N in US.

NAD83 / UTM zone 8N

Extent: North America - between 138°W and 132°W - onshore and offshore. Canada - British Columbia; Northwest Territiories; Yukon. United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26908')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26908')
```

Replaces NAD27 / UTM zone 8N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 8N in Canada and NAD83(NSRS2007) / UTM zone 8N in US.

NAD83 / UTM zone 9N

Extent: North America - between 132°W and 126°W - onshore and offshore. Canada - British Columbia; Northwest Territories; Yukon. United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26909')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26909')
```

Replaces NAD27 / UTM zone 9N. For accuracies better than 1m replaced by NAD83(CSRS) / UTM zone 9N in Canada and NAD83(NSRS2007) / UTM zone 9N in US.

NAD83 / Utah Central

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32143')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32143')
```

State law of 2009 defines system in US survey feet: see CRS code 3566. An earlier state law of 1988 defining system in International feet was withdrawn in 2001. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah Central (ft)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2281')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2281')
```

State law defining system in International feet withdrawn 2001. Replaced 2009 by US Survey feet - see CRS code 3566. Federal definition is metric - see code 32143. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah Central (ftUS)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3566')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3566')
```

State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32143. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah North

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32142')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32142')
```

State law of 2009 defines system in US survey feet: see CRS code 3560. An earlier state law of 1988 defining system in International feet was withdrawn in 2001. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah North (ft)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2280')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2280')
```

State law defining system in International feet withdrawn 2001. Replaced 2009 by US Survey feet - see CRS code 3560. Federal definition is metric - see code 32142. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah North (ftUS)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3560')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3560')
```

State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32142. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah South

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32144')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32144')
```

State law of 2009 defines system in US survey feet: see CRS code 3567. An earlier state law of 1988 defining system in International feet was withdrawn in 2001. For onshore applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah South (ft)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2282')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2282')
```

State law defining system in International feet withdrawn 2001. Replaced 2009 by US Survey feet - see CRS code 3567. Federal definition is metric - see code 32144. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Utah South (ftUS)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3567')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3567')
```

State law defining system in International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 32144. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Vermont

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_VERMONT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32145')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VERMONT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32145')
```

State law defines system in US survey feet. See code 5646 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Vermont (ftUS)

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_VERMONT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5646')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VERMONT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5646')
```

State law defines system in US survey feet. Federal definition is metric - see code 32145. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Virginia Lambert

Extent: United States (USA) - Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3968')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VIRGINIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3968')
```

For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Virginia Lambert (CRS code 3969).

NAD83 / Virginia North

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32146')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32146')
```

State law defines system in US survey feet. See code 2283 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Virginia North (ftUS)

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2283')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2283')
```

State law defines system in US survey feet. Federal definition is metric - see code 32146. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Virginia South

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32147')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32147')
```

State law defines system in US survey feet. See code 2284 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Virginia South (ftUS)

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2284')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2284')
```

State law defines system in US survey feet. Federal definition is metric - see code 32147. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Washington North

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32148')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32148')
```

State law defines system in US survey feet. See code 2285 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Washington North (ftUS)

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2285')
```

State law defines system in US survey feet. Federal definition is metric - see code 32148. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Washington South

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32149')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32149')
```

State law defines system in US survey feet. See code 2286 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Washington South (ftUS)

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2286')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2286')
```

State law defines system in US survey feet. Federal definition is metric - see code 32149. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / West Virginia North

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32150')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32150')
```

State law defines system in US survey feet. See CRS code 26853 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / West Virginia North (ftUS)

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26853')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26853')
```

State law defines use of US survey feet. Federal definition is metric - see code 32150. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / West Virginia South

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32151')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32151')
```

State law defines system in US survey feet. See CRS code 26854 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / West Virginia South (ftUS)

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26854')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26854')
```

State law defines use of US survey feet. Federal definition is metric - see code 32151. For applications with an accuracy of better than 3ft, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin Central

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32153')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32153')
```

State law defines system in US survey feet. See code 2288 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin Central (ftUS)

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2288')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2288')
```

State law defines system in US survey feet. Federal definition is metric - see code 32153. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin North

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32152')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32152')
```

State law defines system in US survey feet. See code 2287 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin North (ftUS)

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2287')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2287')
```

State law defines system in US survey feet. Federal definition is metric - see code 32152. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin South

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32154')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32154')
```

State law defines system in US survey feet. See code 2289 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin South (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2289')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2289')
```

State law defines system in US survey feet. Federal definition is metric - see code 32154. For applications with an accuracy of better than 3 feet, replaced by NAD83(HARN) / SPCS.

NAD83 / Wisconsin Transverse Mercator

Extent: United States (USA) - Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3070')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WISCONSIN_TRANSVERSE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3070')
```

Designed as a single zone for the whole state. Replaces NAD27 / Wisconsin Transverse Mercator (CRS code 3069). For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / Wisconsin Transverse Mercator.

NAD83 / Wyoming East

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32155')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32155')
```

State law defines system in US survey feet. See code 3736 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wyoming East (ftUS)

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3736')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3736')
```

State law defines use of US survey feet. Federal definition is metric - see code 32155. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

NAD83 / Wyoming East Central

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32156')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32156')
```

State law defines system in US survey feet. See code 3737 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wyoming East Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3737')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3737')
```

State law defines use of US survey feet. Federal definition is metric - see code 32156. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

NAD83 / Wyoming Lambert

Extent: United States (USA) - Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32159')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32159')
```

NAD83 / Wyoming West

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32158')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32158')
```

State law defines system in US survey feet. See code 3739 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wyoming West (ftUS)

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3739')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3739')
```

State law defines use of US survey feet. Federal definition is metric - see code 32158. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

NAD83 / Wyoming West Central

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32157')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32157')
```

State law defines system in US survey feet. See code 3738 for equivalent non-metric definition. For applications with an accuracy of better than 1m, replaced by NAD83(HARN) / SPCS.

NAD83 / Wyoming West Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3738')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3738')
```

State law defines use of US survey feet. Federal definition is metric - see code 32157. Replaced by NAD83(HARN) / SPCS for applications with an accuracy of better than 3 feet.

NAD83 / Yukon Albers

Extent: Canada - Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_YUKON_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3578')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_YUKON_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3578')
```

This CRS name may sometimes be used as an alias for NAD83(CSRS) / Yukon Albers. See CRS code 3579.

NAD83(2011) / Adjusted Jackson (ftUS)

Extent: United States (USA) - Wisconsin - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ADJUSTED_JACKSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10516')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ADJUSTED_JACKSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10516')
```

Introduced in 2011 for use with the WISCORS network to emulate NAD83(HARN) / WISCRS Jackson (ftUS) (CRS code 8162) coordinates which remain the official CRS for the county.

NAD83(2011) / Alabama East

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6355')
```

Replaces NAD83(NSRS2007) / Alabama East (CRS code 3465).

NAD83(2011) / Alabama East (ftUS)

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9748')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9748')
```

The Federal government does not recognise this system because the State of Alabama has no legislation defining the foot to be used for NAD83. US survey foot required by ALDOT. See NAD83(2011) / Alabama East (CRS code 6355) for official metric definition.

NAD83(2011) / Alabama West

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6356')
```

Replaces NAD83(NSRS2007) / Alabama West (CRS code 3466).

NAD83(2011) / Alabama West (ftUS)

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9749')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9749')
```

The Federal government does not recognise this system because the State of Alabama has no legislation defining the foot to be used for NAD83. US survey foot required by ALDOT. See NAD83(2011) / Alabama West (CRS code 6356) for official metric definition.

NAD83(2011) / Alaska Albers

Extent: United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6393')
```

Replaces NAD83(NSRS2007) / Alaska Albers (CRS code 3467).

NAD83(2011) / Alaska zone 1

Extent: United States (USA) - Alaska - east of 141°W; i.e. Panhandle

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6394')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6394')
```

Replaces NAD83(NSRS2007) / Alaska zone (CRS code 3468).

NAD83(2011) / Alaska zone 10

Extent: United States (USA) - Alaska - Aleutian Islands onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6403')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6403')
```

Replaces NAD83(NSRS2007) / Alaska zone 10 (CRS code 3477).

NAD83(2011) / Alaska zone 2

Extent: United States (USA) - Alaska - between 144°W and 141°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6395')
```

Replaces NAD83(NSRS2007) / Alaska zone 2 (CRS code 3469).

NAD83(2011) / Alaska zone 3

Extent: United States (USA) - Alaska - between 148°W and 144°W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6396')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6396')
```

Replaces NAD83(NSRS2007) / Alaska zone 3 (CRS code 3470)

NAD83(2011) / Alaska zone 4

Extent: United States (USA) - Alaska - between 152°W and 148°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6397')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6397')
```

Replaces NAD83(NSRS2007) / Alaska zone 4 (CRS code 3471).

NAD83(2011) / Alaska zone 5

Extent: United States (USA) - Alaska - between 156°W and 152°W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6398')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6398')
```

Replaces NAD83(NSRS2007) / Alaska zone 5 (CRS code 3472).

NAD83(2011) / Alaska zone 6

Extent: United States (USA) - Alaska - between 160°W and 156°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6399')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6399')
```

Replaces NAD83(NSRS2007) / Alaska zone 6 (CRS code 3473).

NAD83(2011) / Alaska zone 7

Extent: United States (USA) - Alaska - between 164°W and 160°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6400')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6400')
```

Replaces NAD83(NSRS2007) / Alaska zone 7 (CRS code 3474).

NAD83(2011) / Alaska zone 8

Extent: United States (USA) - Alaska onshore north of 54°30'N and between 168°W and 164°W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6401')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6401')
```

Replaces NAD83(NSRS2007) / Alaska zone 8 (CRS code 3475).

NAD83(2011) / Alaska zone 9

Extent: United States (USA) - Alaska onshore north of 54°30'N and west of 168°W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6402')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6402')
```

Replaces NAD83(NSRS2007) / Alaska zone 9 (CRS code 3476).

NAD83(2011) / Amtrak NECCS21 (ft)

Extent: United States (USA) - parts of Connecticut, Delaware, District of Columbia, Maryland, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island and Virginia on or related to the Amtrak northeast corridor rail route from Boston to Washington DC via New York and Philadelphia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_AMTRAK_NECCS21_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20050')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_AMTRAK_NECCS21_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20050')
```

NAD83(2011) / Arizona Central

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6404')
```

State law defines use of International feet (note: not US survey feet). See code 6405 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Arizona Central (CRS code 3478).

NAD83(2011) / Arizona Central (ft)

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6405')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6404. Replaces NAD83(NSRS2007) / Arizona Central (ft) (CRS code 3479).

NAD83(2011) / Arizona East

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6406')
```

State law defines use of International feet (note: not US survey feet). See code 6407 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Arizona East (CRS code 3480).

NAD83(2011) / Arizona East (ft)

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6407')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6406. Replaces NAD83(NSRS2007) / Arizona East (ft) (CRS code 3481).

NAD83(2011) / Arizona West

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6408')
```

State law defines use of International feet (note: not US survey feet). See code 6409 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Arizona West (CRS code 3482).

NAD83(2011) / Arizona West (ft)

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6409')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6408. Replaces NAD83(NSRS2007) / Arizona West (ft) (CRS code 3483).

NAD83(2011) / Arkansas North

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6410')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6410')
```

State law defines use of US survey feet. See code 6411 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Arkansas North (CRS code 3484).

NAD83(2011) / Arkansas North (ftUS)

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6411')
```

State law defines use of US survey feet. Federal definition is metric - see code 6410. Replaces NAD83(NSRS2007) / Arkansas North (ftUS) (CRS code 3485).

NAD83(2011) / Arkansas South

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6412')
```

State law defines use of US survey feet. See code 6413 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Arkansas South (CRS code 3486).

NAD83(2011) / Arkansas South (ftUS)

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6413')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6413')
```

State law defines use of US survey feet. Federal definition is metric - see code 6412. Replaces NAD83(NSRS2007) / Arkansas South (ftUS) (CRS code 3487).

NAD83(2011) / California Albers

Extent: United States (USA) - California

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6414')
```

Replaces NAD83(NSRS2007) / California Albers (CRS code 3488).

NAD83(2011) / California zone 1

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6415')
```

State law defines use of US survey feet. See code 6416 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / California zone 1 (CRS code 3489).

NAD83(2011) / California zone 1 (ftUS)

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6416')
```

State law defines use of US survey feet. Federal definition is metric - see code 6415. Replaces NAD83(NSRS2007) / California zone 1 (ftUS) (CRS code 3490).

NAD83(2011) / California zone 2

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6417')
```

State law defines use of US survey feet. See code 6418 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / California zone 2 (CRS code 3491).

NAD83(2011) / California zone 2 (ftUS)

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6418')
```

State law defines use of US survey feet. Federal definition is metric - see code 6417. Replaces NAD83(NSRS2007) / California zone 2 (ftUS) (CRS code 3492).

NAD83(2011) / California zone 3

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6419')
```

State law defines use of US survey feet. See code 6420 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / California zone 3 (CRS code 3493).

NAD83(2011) / California zone 3 (ftUS)

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6420')
```

State law defines use of US survey feet. Federal definition is metric - see code 6419. Replaces NAD83(NSRS2007) / California zone 3 (ftUS) (CRS code 3494).

NAD83(2011) / California zone 4

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6421')
```

State law defines use of US survey feet. See code 6422 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / California zone 4 (CRS code 3495).

NAD83(2011) / California zone 4 (ftUS)

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6422')
```

State law defines use of US survey feet. Federal definition is metric - see code 6421. Replaces NAD83(NSRS2007) / California zone 4 (ftUS) (CRS code 3496).

NAD83(2011) / California zone 5

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6423')
```

State law defines use of US survey feet. See code 6424 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / California zone 5 (CRS code 3497).

NAD83(2011) / California zone 5 (ftUS)

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6424')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6424')
```

State law defines use of US survey feet. Federal definition is metric - see code 6423. Replaces NAD83(NSRS2007) / California zone 5 (ftUS) (CRS code 3498).

NAD83(2011) / California zone 6

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6425')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6425')
```

State law defines use of US survey feet. See code 6426 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / California zone 6 (CRS code 3499).

NAD83(2011) / California zone 6 (ftUS)

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6426')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6426')
```

State law defines use of US survey feet. Federal definition is metric - see code 6425. Replaces NAD83(NSRS2007) / California zone 6 (ftUS) (CRS code 3500).

NAD83(2011) / Colorado Central

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6427')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6427')
```

State law defines use of US survey feet. See code 6428 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Colorado Central (CRS code 3501).

NAD83(2011) / Colorado Central (ftUS)

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6428')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6428')
```

State law defines use of US survey feet. Federal definition is metric - see code 6427. Replaces NAD83(NSRS2007) / Colorado Central (ftUS) (CRS code 3502).

NAD83(2011) / Colorado North

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6429')
```

State law defines use of US survey feet. See code 6430 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Colorado North (CRS code 3503).

NAD83(2011) / Colorado North (ftUS)

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6430')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6430')
```

State law defines use of US survey feet. Federal definition is metric - see code 6429. Replaces NAD83(NSRS2007) / Colorado North (ftUS) (CRS code 3504).

NAD83(2011) / Colorado South

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6431')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6431')
```

State law defines use of US survey feet. See code 6432 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Colorado South (CRS code 3505).

NAD83(2011) / Colorado South (ftUS)

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6432')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6432')
```

State law defines use of US survey feet. Federal definition is metric - see code 6431. Replaces NAD83(NSRS2007) / Colorado South (ftUS) (CRS code 3506).

NAD83(2011) / Connecticut

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6433')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6433')
```

State law defines use of US survey feet. See code 6434 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Connecticut (CRS code 3507).

NAD83(2011) / Connecticut (ftUS)

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6434')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6434')
```

State law defines use of US survey feet. Federal definition is metric - see code 6433. Replaces NAD83(NSRS2007) / Connecticut (ftUS) (CRS code 3508).

NAD83(2011) / Conus Albers

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CONUS_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_CONUS_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6350')
```

Replaces NAD83(NSRS2007) / Conus Albers (CRS code 5072).

NAD83(2011) / Delaware

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6435')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6435')
```

State law defines use of US survey feet. See code 6436 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Delaware (CRS code 3509).

NAD83(2011) / Delaware (ftUS)

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6436')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6436')
```

State law defines use of US survey feet. Federal definition is metric - see code 6435. Replaces NAD83(NSRS2007) / Delaware (ftUS) (CRS code 3510).

NAD83(2011) / EPSG Arctic zone 5-29

Extent: Arctic - between 74°30'N and 69°30'N, approximately 173°W to approximately 153°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6351')
```

NAD83(2011) / EPSG Arctic zone 5-31

Extent: Arctic - between 74°30'N and 69°30'N, approximately 157°W to approximately 137°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6352')
```

NAD83(2011) / EPSG Arctic zone 6-14

Extent: Arctic - between 71°10'N and 66°10'N, approximately 174°W to approximately 156°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6353')
```

NAD83(2011) / EPSG Arctic zone 6-16

Extent: Arctic - between 71°10'N and 66°10'N, approximately 156°W to approximately 138°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6354')
```

NAD83(2011) / Florida East

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6437')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6437')
```

State law defines use of US survey feet. See code 6438 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Florida East (CRS code 3511).

NAD83(2011) / Florida East (ftUS)

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6438')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6438')
```

State law defines use of US survey feet. Federal definition is metric - see code 6437. Replaces NAD83(NSRS2007) / Florida East (ftUS) (CRS code 3512).

NAD83(2011) / Florida GDL Albers

Extent: United States (USA) - Florida

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_GDL_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6439')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_GDL_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6439')
```

Replaces NAD83(NSRS2007) / Florida GDL Albers (CRS code 3513).

NAD83(2011) / Florida North

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6440')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6440')
```

State law defines use of US survey feet. See code 6441 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Florida North (CRS code 3514).

NAD83(2011) / Florida North (ftUS)

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6441')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6441')
```

State law defines use of US survey feet. Federal definition is metric - see code 6440. Replaces NAD83(NSRS2007) / Florida North (ftUS) (CRS code 3515)

NAD83(2011) / Florida West

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6442')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6442')
```

State law defines use of US survey feet. See code 6443 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Florida West (CRS code 3516).

NAD83(2011) / Florida West (ftUS)

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6443')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6443')
```

State law defines use of US survey feet. Federal definition is metric - see code 6442. Replaces NAD83(NSRS2007) / Florida West (ftUS) (CRS code 3517)

NAD83(2011) / Georgia East

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6444')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6444')
```

State law defines use of US survey feet. See code 6445 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Georgia East (CRS code 3518).

NAD83(2011) / Georgia East (ftUS)

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6445')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6445')
```

State law defines use of US survey feet. Federal definition is metric - see code 6444. Replaces NAD83(NSRS2007) / Georgia East (ftUS) (CRS code 3519).

NAD83(2011) / Georgia West

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6446')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6446')
```

State law defines use of US survey feet. See code 6447 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Georgia West (CRS code 3520).

NAD83(2011) / Georgia West (ftUS)

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6447')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6447')
```

State law defines use of US survey feet. Federal definition is metric - see code 6446. Replaces NAD83(NSRS2007) / Georgia West (ftUS) (CRS code 3521).

NAD83(2011) / ICS83-Aurora (ftUS)

Extent: United States (USA) - Illinois - counties of Boone, Dekalb, Kane, Kendall and McHenry

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_AURORA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23303')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_AURORA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23303')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Belleville (ftUS)

Extent: United States (USA) - Illinois - counties of Madison, Monroe and St Clair

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BELLEVILLE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BELLEVILLE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23329')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Bloomington (ftUS)

Extent: United States (USA) - Illinois - McLean county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BLOOMINGTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BLOOMINGTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23313')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Carbondale (ftUS)

Extent: United States (USA) - Illinois - counties of Franklin, Gallatin, Hamilton, Jackson, Perry, Randolph, Saline, White and Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARBONDALE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARBONDALE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23332')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Carlinville (ftUS)

Extent: United States (USA) - Illinois - counties of Greene and Macoupin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARLINVILLE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARLINVILLE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23325')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Champaign (ftUS)

Extent: United States (USA) - Illinois - counties of Champaign and Vermilion

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHAMPAIGN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHAMPAIGN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23320')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Charleston (ftUS)

Extent: United States (USA) - Illinois - counties of Coles, Douglas and Edgar

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHARLESTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHARLESTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23323')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Chicago (ftUS)

Extent: United States (USA) - Illinois - counties of Cook, DuPage and Lake

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHICAGO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23304')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHICAGO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23304')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Decatur (ftUS)

Extent: United States (USA) - Illinois - counties of Dewitt, Macon, Moultrie, Piatt and Shelby

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_DECATUR_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_DECATUR_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23319')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Effingham (ftUS)

Extent: United States (USA) - Illinois - counties of Bond, Effingham and Fayette

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EFFINGHAM_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EFFINGHAM_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23327')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Eureka (ftUS)

Extent: United States (USA) - Illinois - counties of Marshall and Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EUREKA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EUREKA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23312')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Freeport (ftUS)

Extent: United States (USA) - Illinois - counties of Carroll, Jo Daviess and Stephenson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_FREEPORT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23301')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_FREEPORT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23301')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Galesburg (ftUS)

Extent: United States (USA) - Illinois - counties of Fulton, Knox and Stark

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_GALESBURG_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_GALESBURG_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23310')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Jacksonville (ftUS)

Extent: United States (USA) - Illinois - counties of Morgan, Pike and Scott

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JACKSONVILLE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JACKSONVILLE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23321')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Jerseyville (ftUS)

Extent: United States (USA) - Illinois - counties of Calhoun and Jersey

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JERSEYVILLE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JERSEYVILLE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23324')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Joliet (ftUS)

Extent: United States (USA) - Illinois - counties of Kankakee and Will

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JOLIET_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JOLIET_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23308')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Lincoln (ftUS)

Extent: United States (USA) - Illinois - counties of Cass, Logan, Mason and Menard

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_LINCOLN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_LINCOLN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23318')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Macomb (ftUS)

Extent: United States (USA) - Illinois - counties of Brown, McDonough and Schuyler

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MACOMB_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MACOMB_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23317')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Metropolis (ftUS)

Extent: United States (USA) - Illinois - counties of Alexander, Hardin, Johnson, Massac, Pope, Pulaski and Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_METROPOLIS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_METROPOLIS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23333')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Moline (ftUS)

Extent: United States (USA) - Illinois - Rock Island county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOLINE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOLINE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23305')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Monmouth (ftUS)

Extent: United States (USA) - Illinois - counties of Henderson, Mercer and Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MONMOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MONMOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23309')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Mount Vernon (ftUS)

Extent: United States (USA) - Illinois - counties of Clinton, Jefferson, Marion and Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOUNT_VERNON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOUNT_VERNON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23330')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Olney (ftUS)

Extent: United States (USA) - Illinois - counties of Clay, Edwards, Lawrence, Richland, Wabash and Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OLNEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OLNEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23331')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Ottawa (ftUS)

Extent: United States (USA) - Illinois - counties of Bureau, Grundy, LaSalle and Putnam

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OTTAWA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OTTAWA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23307')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Peoria (ftUS)

Extent: United States (USA) - Illinois - counties of Peoria and Tazewell

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PEORIA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PEORIA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23311')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Pontiac (ftUS)

Extent: United States (USA) - Illinois - Livingston county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PONTIAC_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PONTIAC_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23314')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Quincy (ftUS)

Extent: United States (USA) - Illinois - counties of Adams and Hancock

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_QUINCY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_QUINCY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23316')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Robinson (ftUS)

Extent: United States (USA) - Illinois - counties of Clark, Crawford, Cumberland and Jasper

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROBINSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROBINSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23328')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Rockford (ftUS)

Extent: United States (USA) - Illinois - counties of Lee, Ogle and Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROCKFORD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23302')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROCKFORD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23302')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Springfield (ftUS)

Extent: United States (USA) - Illinois - Sangamon county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_SPRINGFIELD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_SPRINGFIELD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23322')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Sterling (ftUS)

Extent: United States (USA) - Illinois - counties of Henry and Whiteside

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_STERLING_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_STERLING_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23306')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Taylorville (ftUS)

Extent: United States (USA) - Illinois - counties of Christian and Montgomery

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_TAYLORVILLE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_TAYLORVILLE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23326')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / ICS83-Watseka (ftUS)

Extent: United States (USA) - Illinois - counties of Ford and Iroquois

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_WATSEKA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::23315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ICS83_WATSEKA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::23315')
```

Part of the Illinois Coordinate System of 1983 33-zone system. State law for SPCS83 defines use of US survey feet. This CRS was designed in NAD 83 ftUS but is otherwise based on the NGS guidelines for the NATRF2022 project.

NAD83(2011) / IaRCS zone 1

Extent: United States (USA) - Iowa - counties of Clay; Dickinson; Emmet; Kossuth; Lyon; O'Brien; Osceola; Palo Alto; Sioux

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7057')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7057')
```

NAD83(2011) / IaRCS zone 10

Extent: United States (USA) - Iowa - counties of Benton; Cedar; Iowa; Johnson; Jones; Linn

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7066')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7066')
```

NAD83(2011) / IaRCS zone 11

Extent: United States (USA) - Iowa - counties of Clinton; Dubuque; Jackson; Scott

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7067')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7067')
```

NAD83(2011) / IaRCS zone 12

Extent: United States (USA) - Iowa - counties of Adams; Appanoose; Clarke; Davis; Decatur; Lucas; Monroe; Montgomery; Page; Ringgold; Taylor; Union; Wapello; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7068')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7068')
```

NAD83(2011) / IaRCS zone 13

Extent: United States (USA) - Iowa - counties of Jefferson; Keokuk; Van Buren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7069')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7069')
```

NAD83(2011) / IaRCS zone 14

Extent: United States (USA) - Iowa - counties of Des Moines; Henry; Lee; Louisa; Muscatine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7070')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7070')
```

NAD83(2011) / IaRCS zone 2

Extent: United States (USA) - Iowa - counties of Cerro Gordo; Chickasaw; Floyd; Hancock; Howard; Mitchell; Winnebago; Winneshiek; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7058')
```

NAD83(2011) / IaRCS zone 3

Extent: United States (USA) - Iowa - counties of Allamakee; Clayton; Delaware

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7059')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7059')
```

NAD83(2011) / IaRCS zone 4

Extent: United States (USA) - Iowa - counties of Buena Vista; Calhoun; Cherokee; Franklin; Hamilton; Hardin; Humboldt; Ida; Plymouth; Pocahontas; Sac; Webster; Woodbury; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7060')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7060')
```

NAD83(2011) / IaRCS zone 5

Extent: United States (USA) - Iowa - counties of Black Hawk; Bremer; Buchanan; Butler; Fayette; Grundy

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7061')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7061')
```

NAD83(2011) / IaRCS zone 6

Extent: United States (USA) - Iowa - counties of Crawford; Fremont; Harrison; Mills; Monona; Pottawattamie; Shelby

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7062')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7062')
```

NAD83(2011) / IaRCS zone 7

Extent: United States (USA) - Iowa - counties of Adair; Audubon; Carroll; Cass; Greene; Guthrie

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7063')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7063')
```

NAD83(2011) / IaRCS zone 8

Extent: United States (USA) - Iowa - counties of Boone; Dallas; Madison; Polk; Story; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7064')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7064')
```

NAD83(2011) / IaRCS zone 9

Extent: United States (USA) - Iowa - counties of Jasper; Mahaska; Marion; Marshall; Poweshiek; Tama

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7065')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7065')
```

NAD83(2011) / Idaho Central

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6448')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6448')
```

State law defines use of US survey feet. See code 6449 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Idaho Central (CRS code 3522).

NAD83(2011) / Idaho Central (ftUS)

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6449')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6449')
```

State law defines use of US survey feet. Federal definition is metric - see code 6448. Replaces NAD83(NSRS2007) / Idaho Central (ftUS) (CRS code 3523).

NAD83(2011) / Idaho East

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6450')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6450')
```

State law defines use of US survey feet. See code 6451 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Idaho East (CRS code 3524).

NAD83(2011) / Idaho East (ftUS)

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6451')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6451')
```

State law defines use of US survey feet. Federal definition is metric - see code 6450. Replaces NAD83(NSRS2007) / Idaho East (ftUS) (CRS code 3525).

NAD83(2011) / Idaho West

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6452')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6452')
```

State law defines use of US survey feet. See code 6453 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Idaho West (CRS code 3526).

NAD83(2011) / Idaho West (ftUS)

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6453')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6453')
```

State law defines use of US survey feet. Federal definition is metric - see code 6452. Replaces NAD83(NSRS2007) / Idaho West (ftUS) (CRS code 3527).

NAD83(2011) / Illinois East

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6454')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6454')
```

State law defines use of US survey feet. See code 6455 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Illinois East (CRS code 3528).

NAD83(2011) / Illinois East (ftUS)

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6455')
```

State law defines use of US survey feet. Federal definition is metric - see code 6454. Replaces NAD83(NSRS2007) / Illinois East (ftUS) (CRS code 3529).

NAD83(2011) / Illinois West

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6456')
```

State law defines use of US survey feet. See code 6457 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Illinois West (CRS code 3530).

NAD83(2011) / Illinois West (ftUS)

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6457')
```

State law defines use of US survey feet. Federal definition is metric - see code 6456. Replaces NAD83(NSRS2007) / Illinois West (ftUS) (CRS code 3531).

NAD83(2011) / InGCS Adams (ftUS)

Extent: United States (USA) - Indiana - Adams county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7258')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7257.

NAD83(2011) / InGCS Adams (m)

Extent: United States (USA) - Indiana - Adams county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7257')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7258.

NAD83(2011) / InGCS Allen (ftUS)

Extent: United States (USA) - Indiana - Allen county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7260')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7259.

NAD83(2011) / InGCS Allen (m)

Extent: United States (USA) - Indiana - Allen county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7259')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7260.

NAD83(2011) / InGCS Bartholomew (ftUS)

Extent: United States (USA) - Indiana - Bartholomew county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7262')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7261.

NAD83(2011) / InGCS Bartholomew (m)

Extent: United States (USA) - Indiana - Bartholomew county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7261')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7261')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7262.

NAD83(2011) / InGCS Benton (ftUS)

Extent: United States (USA) - Indiana - Benton county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7264')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7264')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7263.

NAD83(2011) / InGCS Benton (m)

Extent: United States (USA) - Indiana - Benton county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7263')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7263')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7264.

NAD83(2011) / InGCS Blackford-Delaware (ftUS)

Extent: United States (USA) - Indiana - counties of Blackford and Delaware

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7266')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7266')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7265.

NAD83(2011) / InGCS Blackford-Delaware (m)

Extent: United States (USA) - Indiana - counties of Blackford and Delaware

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7265')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7265')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7266.

NAD83(2011) / InGCS Boone-Hendricks (ftUS)

Extent: United States (USA) - Indiana - counties of Boone and Hendricks

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7268')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7268')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7267.

NAD83(2011) / InGCS Boone-Hendricks (m)

Extent: United States (USA) - Indiana - counties of Boone and Hendricks

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7267')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7267')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7268.

NAD83(2011) / InGCS Brown (ftUS)

Extent: United States (USA) - Indiana - Brown county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7270')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7270')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7269.

NAD83(2011) / InGCS Brown (m)

Extent: United States (USA) - Indiana - Brown county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7269')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7269')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7270.

NAD83(2011) / InGCS Carroll (ftUS)

Extent: United States (USA) - Indiana - Carroll county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7272')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7272')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7271.

NAD83(2011) / InGCS Carroll (m)

Extent: United States (USA) - Indiana - Carroll county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7271')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7271')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7272.

NAD83(2011) / InGCS Cass (ftUS)

Extent: United States (USA) - Indiana - Cass county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7274')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7274')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7273.

NAD83(2011) / InGCS Cass (m)

Extent: United States (USA) - Indiana - Cass county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7273')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7273')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7274.

NAD83(2011) / InGCS Clark-Floyd-Scott (ftUS)

Extent: United States (USA) - Indiana - counties of Clark, Floyd and Scott

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7276')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7276')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7275.

NAD83(2011) / InGCS Clark-Floyd-Scott (m)

Extent: United States (USA) - Indiana - counties of Clark, Floyd and Scott

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7275')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7276.

NAD83(2011) / InGCS Clay (ftUS)

Extent: United States (USA) - Indiana - Clay county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7278')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7278')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7277.

NAD83(2011) / InGCS Clay (m)

Extent: United States (USA) - Indiana - Clay county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7277')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7277')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7278.

NAD83(2011) / InGCS Clinton (ftUS)

Extent: United States (USA) - Indiana - Clinton county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7280')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7280')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7279.

NAD83(2011) / InGCS Clinton (m)

Extent: United States (USA) - Indiana - Clinton county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7279')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7279')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7280.

NAD83(2011) / InGCS Crawford-Lawrence-Orange (ftUS)

Extent: United States (USA) - Indiana - counties of Crawford, Lawrence and Orange

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CRAWFORD_LAWRENCE_ORANGE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7282')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CRAWFORD_LAWRENCE_
↪ORANGE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7282')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7281.

NAD83(2011) / InGCS Crawford-Lawrence-Orange (m)

Extent: United States (USA) - Indiana - counties of Crawford, Lawrence and Orange

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CRAWFORD_LAWRENCE_ORANGE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7281')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CRAWFORD_LAWRENCE_
↪ORANGE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7281')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7282.

NAD83(2011) / InGCS Daviess-Greene (ftUS)

Extent: United States (USA) - Indiana - counties of Daviess and Greene

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7284')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7284')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7283.

NAD83(2011) / InGCS Daviess-Greene (m)

Extent: United States (USA) - Indiana - counties of Daviess and Greene

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7283')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7283')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7284.

NAD83(2011) / InGCS DeKalb (ftUS)

Extent: United States (USA) - Indiana - DeKalb county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7290')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7290')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7289.

NAD83(2011) / InGCS DeKalb (m)

Extent: United States (USA) - Indiana - DeKalb county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7289')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7289')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7290.

NAD83(2011) / InGCS Dearborn-Ohio-Switzerland (ftUS)

Extent: United States (USA) - Indiana - counties of Dearborn, Ohio and Switzerland

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEARBORN_OHIO_SWITZERLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7286')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEARBORN_OHIO_
↪SWITZERLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7286')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7285.

NAD83(2011) / InGCS Dearborn-Ohio-Switzerland (m)

Extent: United States (USA) - Indiana - counties of Dearborn, Ohio and Switzerland

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEARBORN_OHIO_SWITZERLAND_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEARBORN_OHIO_
↪SWITZERLAND_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7285')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7286.

NAD83(2011) / InGCS Decatur-Rush (ftUS)

Extent: United States (USA) - Indiana - counties of Decatur and Rush

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7288')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7288')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7287.

NAD83(2011) / InGCS Decatur-Rush (m)

Extent: United States (USA) - Indiana - counties of Decatur and Rush

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7287')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7287')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7288.

NAD83(2011) / InGCS Dubois-Martin (ftUS)

Extent: United States (USA) - Indiana - counties of Dubois and Martin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7292')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7292')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7291.

NAD83(2011) / InGCS Dubois-Martin (m)

Extent: United States (USA) - Indiana - counties of Dubois and Martin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7291')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7291')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7292.

NAD83(2011) / InGCS Elkhart-Kosciusko-Wabash (ftUS)

Extent: United States (USA) - Indiana - counties of Elkhart, Kosciusko and Wabash

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_WABASH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7294')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_
↪WABASH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7294')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7293.

NAD83(2011) / InGCS Elkhart-Kosciusko-Wabash (m)

Extent: United States (USA) - Indiana - counties of Elkhart, Kosciusko and Wabash

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_WABASH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7293')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_
↪WABASH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7293')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7294.

NAD83(2011) / InGCS Fayette-Franklin-Union (ftUS)

Extent: United States (USA) - Indiana - counties of Fayette, Franklin and Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_UNION_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7296')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_
↪UNION_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7296')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7295.

NAD83(2011) / InGCS Fayette-Franklin-Union (m)

Extent: United States (USA) - Indiana - counties of Fayette, Franklin and Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_UNION_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7295')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_
↪UNION_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7295')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7296.

NAD83(2011) / InGCS Fountain-Warren (ftUS)

Extent: United States (USA) - Indiana - counties of Fountain and Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7298')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7298')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7297.

NAD83(2011) / InGCS Fountain-Warren (m)

Extent: United States (USA) - Indiana - counties of Fountain and Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7297')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7297')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7298.

NAD83(2011) / InGCS Fulton-Marshall-St. Joseph (ftUS)

Extent: United States (USA) - Indiana - counties of Fulton, Marshall and St Joseph

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_JOSEPH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7300')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_
↪JOSEPH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7300')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7299.

NAD83(2011) / InGCS Fulton-Marshall-St. Joseph (m)

Extent: United States (USA) - Indiana - counties of Fulton, Marshall and St Joseph

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_JOSEPH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7299')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_
```

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```
↪JOSEPH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7299')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7300.

NAD83(2011) / InGCS Gibson (ftUS)

Extent: United States (USA) - Indiana - Gibson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7302')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7302')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7301.

NAD83(2011) / InGCS Gibson (m)

Extent: United States (USA) - Indiana - Gibson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7301')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7301')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7302.

NAD83(2011) / InGCS Grant (ftUS)

Extent: United States (USA) - Indiana - Grant county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7304')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7304')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7303.

NAD83(2011) / InGCS Grant (m)

Extent: United States (USA) - Indiana - Grant county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7303')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7303')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7304.

NAD83(2011) / InGCS Hamilton-Tipton (ftUS)

Extent: United States (USA) - Indiana - counties of Hamilton and Tipton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7306')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7305.

NAD83(2011) / InGCS Hamilton-Tipton (m)

Extent: United States (USA) - Indiana - counties of Hamilton and Tipton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7305')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7306.

NAD83(2011) / InGCS Hancock-Madison (ftUS)

Extent: United States (USA) - Indiana - counties of Hancock and Madison

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7308')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7307.

NAD83(2011) / InGCS Hancock-Madison (m)

Extent: United States (USA) - Indiana - counties of Hancock and Madison

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7307')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7308.

NAD83(2011) / InGCS Harrison-Washington (ftUS)

Extent: United States (USA) - Indiana - counties of Harrison and Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7310')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7309.

NAD83(2011) / InGCS Harrison-Washington (m)

Extent: United States (USA) - Indiana - counties of Harrison and Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7309')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7310.

NAD83(2011) / InGCS Henry (ftUS)

Extent: United States (USA) - Indiana - Henry county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7312')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7311.

NAD83(2011) / InGCS Henry (m)

Extent: United States (USA) - Indiana - Henry county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7311')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7312.

NAD83(2011) / InGCS Howard-Miami (ftUS)

Extent: United States (USA) - Indiana - counties of Howard and Miami

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7314')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7313.

NAD83(2011) / InGCS Howard-Miami (m)

Extent: United States (USA) - Indiana - counties of Howard and Miami

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7313')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7314.

NAD83(2011) / InGCS Huntington-Whitley (ftUS)

Extent: United States (USA) - Indiana - counties of Huntington and Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7316')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7315.

NAD83(2011) / InGCS Huntington-Whitley (m)

Extent: United States (USA) - Indiana - counties of Huntington and Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7315')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7316.

NAD83(2011) / InGCS Jackson (ftUS)

Extent: United States (USA) - Indiana - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7318')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7317.

NAD83(2011) / InGCS Jackson (m)

Extent: United States (USA) - Indiana - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7317')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7318.

NAD83(2011) / InGCS Jasper-Porter (ftUS)

Extent: United States (USA) - Indiana - counties of Jasper and Porter

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7320')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7319.

NAD83(2011) / InGCS Jasper-Porter (m)

Extent: United States (USA) - Indiana - counties of Jasper and Porter

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7319')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7320.

NAD83(2011) / InGCS Jay (ftUS)

Extent: United States (USA) - Indiana - Jay county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7322')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7321.

NAD83(2011) / InGCS Jay (m)

Extent: United States (USA) - Indiana - Jay county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7321')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7322.

NAD83(2011) / InGCS Jefferson (ftUS)

Extent: United States (USA) - Indiana - Jefferson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7324')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7323.

NAD83(2011) / InGCS Jefferson (m)

Extent: United States (USA) - Indiana - Jefferson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7323')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7324.

NAD83(2011) / InGCS Jennings (ftUS)

Extent: United States (USA) - Indiana - Jennings county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7326')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7325.

NAD83(2011) / InGCS Jennings (m)

Extent: United States (USA) - Indiana - Jennings county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7325')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7326.

NAD83(2011) / InGCS Johnson-Marion (ftUS)

Extent: United States (USA) - Indiana - counties of Johnson and Marion

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7328')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7327.

NAD83(2011) / InGCS Johnson-Marion (m)

Extent: United States (USA) - Indiana - counties of Johnson and Marion

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7327')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7328.

NAD83(2011) / InGCS Knox (ftUS)

Extent: United States (USA) - Indiana - Knox county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7330')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7329.

NAD83(2011) / InGCS Knox (m)

Extent: United States (USA) - Indiana - Knox county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7329')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7330.

NAD83(2011) / InGCS LaGrange-Noble (ftUS)

Extent: United States (USA) - Indiana - counties of LaGrange and Noble

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7332')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7331.

NAD83(2011) / InGCS LaGrange-Noble (m)

Extent: United States (USA) - Indiana - counties of LaGrange and Noble

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7331')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7332.

NAD83(2011) / InGCS LaPorte-Pulaski-Starke (ftUS)

Extent: United States (USA) - Indiana - counties of LaPorte, Pulaski and Starke

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAPORTE_PULASKI_STARKE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAPORTE_PULASKI_
↪STARKE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7336')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7335.

NAD83(2011) / InGCS LaPorte-Pulaski-Starke (m)

Extent: United States (USA) - Indiana - counties of LaPorte, Pulaski and Starke

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAPORTE_PULASKI_STARKE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAPORTE_PULASKI_
↪STARKE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7335')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7336.

NAD83(2011) / InGCS Lake-Newton (ftUS)

Extent: United States (USA) - Indiana - counties of Lake and Newton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7334')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7333.

NAD83(2011) / InGCS Lake-Newton (m)

Extent: United States (USA) - Indiana - counties of Lake and Newton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7333')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7334.

NAD83(2011) / InGCS Monroe-Morgan (ftUS)

Extent: United States (USA) - Indiana - counties of Monroe and Morgan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7338')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7337.

NAD83(2011) / InGCS Monroe-Morgan (m)

Extent: United States (USA) - Indiana - counties of Monroe and Morgan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7337')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7338.

NAD83(2011) / InGCS Montgomery-Putnam (ftUS)

Extent: United States (USA) - Indiana - counties of Montgomery and Putnam

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONTGOMERY_PUTNAM_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONTGOMERY_PUTNAM_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7340')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7339.

NAD83(2011) / InGCS Montgomery-Putnam (m)

Extent: United States (USA) - Indiana - counties of Montgomery and Putnam

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONTGOMERY_PUTNAM_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONTGOMERY_PUTNAM_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7339')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7340.

NAD83(2011) / InGCS Owen (ftUS)

Extent: United States (USA) - Indiana - Owen county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7342')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7341.

NAD83(2011) / InGCS Owen (m)

Extent: United States (USA) - Indiana - Owen county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7341')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7342.

NAD83(2011) / InGCS Parke-Vermillion (ftUS)

Extent: United States (USA) - Indiana - counties of Parke and Vermillion

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7344')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7343.

NAD83(2011) / InGCS Parke-Vermillion (m)

Extent: United States (USA) - Indiana - counties of Parke and Vermillion

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7343')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7344.

NAD83(2011) / InGCS Perry (ftUS)

Extent: United States (USA) - Indiana - Perry county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7346')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7345.

NAD83(2011) / InGCS Perry (m)

Extent: United States (USA) - Indiana - Perry county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7345')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7346.

NAD83(2011) / InGCS Pike-Warrick (ftUS)

Extent: United States (USA) - Indiana - counties of Pike and Warrick

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7348')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7347.

NAD83(2011) / InGCS Pike-Warrick (m)

Extent: United States (USA) - Indiana - counties of Pike and Warrick

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7347')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7348.

NAD83(2011) / InGCS Posey (ftUS)

Extent: United States (USA) - Indiana - Posey county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7350')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7349.

NAD83(2011) / InGCS Posey (m)

Extent: United States (USA) - Indiana - Posey county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7349')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7350.

NAD83(2011) / InGCS Randolph-Wayne (ftUS)

Extent: United States (USA) - Indiana - counties of Randolph and Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7352')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7351.

NAD83(2011) / InGCS Randolph-Wayne (m)

Extent: United States (USA) - Indiana - counties of Randolph and Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7351')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7352.

NAD83(2011) / InGCS Ripley (ftUS)

Extent: United States (USA) - Indiana - Ripley county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7354')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7353.

NAD83(2011) / InGCS Ripley (m)

Extent: United States (USA) - Indiana - Ripley county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7353')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7354.

NAD83(2011) / InGCS Shelby (ftUS)

Extent: United States (USA) - Indiana - Shelby county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7356')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7355.

NAD83(2011) / InGCS Shelby (m)

Extent: United States (USA) - Indiana - Shelby county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7355')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7356.

NAD83(2011) / InGCS Spencer (ftUS)

Extent: United States (USA) - Indiana - Spencer county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7358')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7357.

NAD83(2011) / InGCS Spencer (m)

Extent: United States (USA) - Indiana - Spencer county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7357')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7358.

NAD83(2011) / InGCS Steuben (ftUS)

Extent: United States (USA) - Indiana - Steuben county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7360')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7360')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7359.

NAD83(2011) / InGCS Steuben (m)

Extent: United States (USA) - Indiana - Steuben county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7359')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7359')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7360.

NAD83(2011) / InGCS Sullivan (ftUS)

Extent: United States (USA) - Indiana - Sullivan county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7362')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7362')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7361.

NAD83(2011) / InGCS Sullivan (m)

Extent: United States (USA) - Indiana - Sullivan county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7361')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7361')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7362.

NAD83(2011) / InGCS Tippecanoe-White (ftUS)

Extent: United States (USA) - Indiana - counties of Tippecanoe and White

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7364')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7364')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Defining parameters are metric - see CRS code 7363.

NAD83(2011) / InGCS Tippecanoe-White (m)

Extent: United States (USA) - Indiana - counties of Tippecanoe and White

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7363')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7363')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defined as separate zones for each county these having identical projection parameter values: see info source. Working units are feet - see CRS code 7364.

NAD83(2011) / InGCS Vanderburgh (ftUS)

Extent: United States (USA) - Indiana - Vanderburgh county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7366')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7366')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7365.

NAD83(2011) / InGCS Vanderburgh (m)

Extent: United States (USA) - Indiana - Vanderburgh county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7365')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7365')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7366.

NAD83(2011) / InGCS Vigo (ftUS)

Extent: United States (USA) - Indiana - Vigo county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7368')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7368')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7367.

NAD83(2011) / InGCS Vigo (m)

Extent: United States (USA) - Indiana - Vigo county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7367')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7367')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7368.

NAD83(2011) / InGCS Wells (ftUS)

Extent: United States (USA) - Indiana - Wells county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7370')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7370')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Defining parameters are metric - see CRS code 7369.

NAD83(2011) / InGCS Wells (m)

Extent: United States (USA) - Indiana - Wells county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7369')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7369')
```

Part of the Indiana Geospatial Coordinate System (InGCS). Working units are feet - see CRS code 7370.

NAD83(2011) / Indiana East

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6458')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6458')
```

State law defines use of US survey feet. See code 6459 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Indiana East (CRS code 3532).

NAD83(2011) / Indiana East (ftUS)

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6459')
```

State law defines use of US survey feet. Federal definition is metric - see code 6458. Replaces NAD83(NSRS2007) / Indiana East (ftUS) (CRS code 3533).

NAD83(2011) / Indiana West

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6460')
```

State law defines use of US survey feet. See code 6461 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Indiana West (CRS code 3534)

NAD83(2011) / Indiana West (ftUS)

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6461')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6461')
```

State law defines use of US survey feet. Federal definition is metric - see code 6460. Replaces NAD83(NSRS2007) / Indiana West (ftUS) (CRS code 3535).

NAD83(2011) / Iowa North

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6462')
```

State law defines use of US survey feet. See code 6463 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Iowa North (CRS code 3536).

NAD83(2011) / Iowa North (ftUS)

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6463')
```

State law defines use of US survey feet. Federal definition is metric - see code 6462. Replaces NAD83(NSRS2007) / Iowa North (ftUS) (CRS code 3537).

NAD83(2011) / Iowa South

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6464')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6464')
```

State law defines use of US survey feet. See code 6465 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Iowa South (CRS code 3538).

NAD83(2011) / Iowa South (ftUS)

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6465')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6465')
```

State law defines use of US survey feet. Federal definition is metric - see code 3538. Replaces NAD83(NSRS2007) / Iowa South (ftUS) (CRS code 3539).

NAD83(2011) / KS RCS zone 1

Extent: United States (USA) - Kansas - counties of Cheyenne; Sherman; Wallace

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8518')
```

NAD83(2011) / KS RCS zone 10

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Doniphan; Jackson; Marshall; Nemaha

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8527')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8527')
```

NAD83(2011) / KS RCS zone 11

Extent: United States (USA) - Kansas - counties of Douglas; Jefferson; Johnson; Leavenworth; Shawnee; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8528')
```

NAD83(2011) / KS RCS zone 12

Extent: United States (USA) - Kansas - counties of Grant; Greeley; Hamilton; Kearny; Morton; Stanton; Stevens; Wichita

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8529')
```

NAD83(2011) / KS RCS zone 13

Extent: United States (USA) - Kansas - counties of Finney; Gray; Haskell; Lane; Meade; Scott; Seward

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8531')
```

NAD83(2011) / KS RCS zone 14

Extent: United States (USA) - Kansas - counties of Clark; Ford; Hodgeman; Ness

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8533')
```

NAD83(2011) / KS RCS zone 15

Extent: United States (USA) - Kansas - counties of Comanche; Edwards; Kiowa; Pawnee; Rush

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8534')
```

NAD83(2011) / KS RCS zone 16

Extent: United States (USA) - Kansas - counties of Barber; Pratt; Stafford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8535')
```

NAD83(2011) / KS RCS zone 17

Extent: United States (USA) - Kansas - counties of Butler; Harvey; Kingman; Reno; Sedgwick

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8536')
```

NAD83(2011) / KS RCS zone 18

Extent: United States (USA) - Kansas - counties of Cowley; Harper; Sumner

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8538')
```

NAD83(2011) / KS RCS zone 19

Extent: United States (USA) - Kansas - counties of Chautauqua; Coffey; Elk; Greenwood; Montgomery; Osage; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8539')
```

NAD83(2011) / KS RCS zone 2

Extent: United States (USA) - Kansas - counties of Logan; Rawlins; Thomas

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8519')
```

NAD83(2011) / KS RCS zone 20

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Bourbon; Cherokee; Crawford; Franklin; Labette; Linn; Miami; Neosho

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8540')
```

NAD83(2011) / KS RCS zone 3

Extent: United States (USA) - Kansas - counties of Decatur; Gove; Sheridan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8520')
```

NAD83(2011) / KS RCS zone 4

Extent: United States (USA) - Kansas - counties of Ellis; Graham; Norton; Phillips; Rooks; Trego

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8521')
```

NAD83(2011) / KS RCS zone 5

Extent: United States (USA) - Kansas - counties of Barton; Osborne; Russell; Smith

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8522')
```

NAD83(2011) / KS RCS zone 6

Extent: United States (USA) - Kansas - counties of Ellsworth; Jewell; Lincoln; Mitchell; Rice

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8523')
```

NAD83(2011) / KS RCS zone 7

Extent: United States (USA) - Kansas - counties of Clay; Cloud; Dickinson; Marion; McPherson; Ottawa; Republic; Saline; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8524')
```

NAD83(2011) / KS RCS zone 8

Extent: United States (USA) - Kansas - counties of Geary; Pottawatomie; Riley; Wabaunsee

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8525')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8525')
```

NAD83(2011) / KS RCS zone 9

Extent: United States (USA) - Kansas - counties of Chase; Lyon; Morris

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8526')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8526')
```

NAD83(2011) / Kansas LCC

Extent: United States (USA) - Kansas

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6924')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6924')
```

KS DOT defines system in US survey feet. See code 6925 for equivalent non-metric definition.

NAD83(2011) / Kansas LCC (ftUS)

Extent: United States (USA) - Kansas

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6925')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6925')
```

KS DOT defines system in US survey feet. See code 6924 for equivalent metric definition.

NAD83(2011) / Kansas North

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6466')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6466')
```

State law defines use of US survey feet. See code 6467 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Kansas North (CRS code 3540).

NAD83(2011) / Kansas North (ftUS)

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6467')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6467')
```

State law defines use of US survey feet. Federal definition is metric - see code 6466. Replaces NAD83(NSRS2007) / Kansas North (ftUS) (CRS code 3541).

NAD83(2011) / Kansas South

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6468')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6468')
```

State law defines use of US survey feet. See code 6467 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Kansas South (CRS code 3542).

NAD83(2011) / Kansas South (ftUS)

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6469')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6469')
```

State law defines use of US survey feet. Federal definition is metric - see code 6468. Replaces NAD83(NSRS2007) / Kansas South (ftUS) (CRS code 3543).

NAD83(2011) / Kentucky North

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6470')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6470')
```

State law defines use of US survey feet. See code 6471 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Kentucky North (CRS code 3544).

NAD83(2011) / Kentucky North (ftUS)

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6471')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6471')
```

State law defines use of US survey feet. Federal definition is metric - see code 6470. Replaces NAD83(NSRS2007) / Kentucky North (ftUS) (CRS code 3545).

NAD83(2011) / Kentucky Single Zone

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6472')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6472')
```

State law defines use of US survey feet. See code 6473 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Kentucky Single Zone (CRS code 3546).

NAD83(2011) / Kentucky Single Zone (ftUS)

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6473')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6473')
```

State law defines use of US survey feet. See code 6472 for equivalent metric definition. Replaces NAD83(NSRS2007) / Kentucky Single Zone (ftUS) (CRS code 3547).

NAD83(2011) / Kentucky South

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6474')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6474')
```

State law defines use of US survey feet. See code 6475 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Kentucky South (CRS code 3548).

NAD83(2011) / Kentucky South (ftUS)

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6475')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6475')
```

State law defines use of US survey feet. Federal definition is metric - see code 6474. Replaces NAD83(NSRS2007) / Kentucky South (ftUS) (CRS code 3549).

NAD83(2011) / Louisiana North

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6476')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6476')
```

State law defines use of US survey feet. See code 6477 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Louisiana North (CRS code 3550).

NAD83(2011) / Louisiana North (ftUS)

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6477')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6477')
```

State law defines use of US survey feet. Federal definition is metric - see code 6476. Replaces NAD83(NSRS2007) / Louisiana North (ftUS) (CRS code 3551).

NAD83(2011) / Louisiana South

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6478')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6478')
```

Not applicable to offshore areas. State law defines use of US survey feet. See code 6479 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Louisiana South (CRS code 3552).

NAD83(2011) / Louisiana South (ftUS)

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6479')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6479')
```

Not applicable to offshore areas. State law defines use of US survey feet. Federal definition is metric - see code 6478. Replaces NAD83(NSRS2007) / Louisiana South (ftUS) (CRS code 3553).

NAD83(2011) / Maine CS2000 Central

Extent: United States (USA) - Maine between approximately 69°40'W and 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence northeasterly along the state line to the intersection of the Fort Kent - Frenchville town line, thence southerly along this town line to the intersection with the New Canada Plantation - T17 R5 WELS town line, thence continuing southerly along town lines to the northeast corner of Penobscot County, thence continuing southerly along the Penobscot County line to the intersection of the Woodville - Mattawamkeag town line (being determined by the Penobscot River), thence along the Penobscot River to the Enfield - Lincoln town line, thence southeasterly along the Enfield - Lincoln town line and the Enfield - Lowell town line to the Passadumkeag - Edinburg town line, thence south-southeasterly along town lines to the intersection of the Hancock County line, thence southerly along the county line to the intersection of the Otis - Mariaville town line, thence southerly along the Otis - Mariaville town line to the Ellsworth city line, thence southerly along the Ellsworth city line to the intersection of the Surry - Trenton town line, thence southerly along the easterly town lines of Surry, Blue Hill, Brooklin, Deer Isle, and Stonington to the Knox County line, thence following the Knox County line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Sagadahoc - Lincoln county line, thence northerly along the easterly boundary of the Maine 2000 West Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6480')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6480')
```

Replaces NAD83(NSRS2007) / Maine CS2000 Central (CRS code 3554).

NAD83(2011) / Maine CS2000 East

Extent: United States (USA) - Maine east of approximately 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the Fort Kent - Frenchville town line, thence continuing easterly and then southerly along the state line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Knox and Hancock County line, thence northerly along the easterly boundary of the Maine 2000 Central Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6481')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6481')
```

Replaces NAD83(NSRS2007) / Maine CS2000 East (CRS code 3555).

NAD83(2011) / Maine CS2000 West

Extent: United States (USA) - Maine west of approximately 69°40'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence following the Somerset County line Easterly to the Northwest corner of the Somerset and Piscataquis county line, thence Southerly along this county line to the northeast corner of the Athens town line, thence westerly along the town line between Brighton Plantation and Athens to the westerly corner of Athens, and continuing southerly to the southwest corner of the town of Athens where it meets the Cornville town line, thence westerly along the Cornville - Solon town line to the intersection of the Cornville - Madison town line, thence southerly and westerly following the Madison town line to the intersection of the Norridgewock - Skowhegan town line, thence southerly along the Skowhegan town line to the Fairfield town line, thence easterly along the Fairfield town line to the Clinton town line (being determined by the Kennebec River), thence southerly along the Kennebec River to the Augusta city line, thence easterly along the city line to the Windsor town line, thence southerly along the Augusta - Windsor town line to the northwest corner of the Lincoln County line, thence southerly along the westerly Lincoln county line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary on the westerly side of the state to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6482')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6482')
```

Replaces NAD83(NSRS2007) / Maine CS2000 West (CRS code 3556).

NAD83(2011) / Maine East

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6483')
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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6483')
```

State law defines system in US survey feet. See code 6484 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Maine East (CRS code 3557).

NAD83(2011) / Maine East (ftUS)

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6484')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6484')
```

State law defines use of US survey feet. Federal definition is metric - see code 6483. Replaces NAD83(NSRS2007) / Maine East (ftUS) (CRS code 26863).

NAD83(2011) / Maine West

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6485')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6485')
```

State law defines system in US survey feet. See code 6486 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Maine West (CRS code 3558).

NAD83(2011) / Maine West (ftUS)

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6486')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6486')
```

State law defines use of US survey feet. Federal definition is metric - see code 6485. Replaces NAD83(NSRS2007) / Maine West (ftUS) (CRS code 26864).

NAD83(2011) / Maryland

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6487')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6487')
```

State law defines use of US survey feet. See code 6488 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Maryland (CRS code 3559).

NAD83(2011) / Maryland (ftUS)

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6488')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6488')
```

State law defines use of US survey feet. Federal definition is metric - see code 6487. Replaces NAD83(NSRS2007) / Maryland (ftUS) (CRS code 3582).

NAD83(2011) / Massachusetts Island

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6489')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6489')
```

State law defines use of US survey feet. See code 6490 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Massachusetts Island (CRS code 3583).

NAD83(2011) / Massachusetts Island (ftUS)

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6490')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6490')
```

State law defines use of US survey feet. Federal definition is metric - see code 6489. Replaces NAD83(NSRS2007) / Massachusetts Island (ftUS) (CRS code 3584).

NAD83(2011) / Massachusetts Mainland

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6491')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6491')
```

State law defines use of US survey feet. See code 6492 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Massachusetts Mainland (CRS code 3585).

NAD83(2011) / Massachusetts Mainland (ftUS)

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6492')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6492')
```

State law defines use of US survey feet. Federal definition is metric - see code 6491. Replaces NAD83(NSRS2007) / Massachusetts Mainland (ftUS) (CRS code 3586).

NAD83(2011) / Michigan Central

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6493')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6493')
```

State law defines use of International feet (note: not US survey feet). See code 6494 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Michigan Central (CRS code 3587).

NAD83(2011) / Michigan Central (ft)

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6494')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6494')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6493. Replaces NAD83(NSRS2007) / Michigan Central (ft) (CRS code 3588).

NAD83(2011) / Michigan North

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6495')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6495')
```

State law defines use of International feet (note: not US survey feet). See code 6496 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Michigan North (CRS code 3589).

NAD83(2011) / Michigan North (ft)

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6496')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6496')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6495. Replaces NAD83(NSRS2007) / Michigan North (ft) (CRS code 3590).

NAD83(2011) / Michigan Oblique Mercator

Extent: United States (USA) - Michigan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_OBLIQUE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6497')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_OBLIQUE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6497')
```

Replaces NAD83(NSRS2007) / Michigan Oblique Mercator (CRS code 3591).

NAD83(2011) / Michigan South

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6498')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6498')
```

State law defines use of International feet (note: not US survey feet). See code 6499 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Michigan South (CRS code 3592).

NAD83(2011) / Michigan South (ft)

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6499')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6499')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6498. Replaces NAD83(NSRS2007) / Michigan South (ft) (CRS code 3593).

NAD83(2011) / Minnesota Central

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6500')
```

State law defines system in US survey feet. See code 6501 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Minnesota Central (CRS code 3494).

NAD83(2011) / Minnesota Central (ftUS)

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6501')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6501')
```

State law defines use of US survey feet. Federal definition is metric - see code 6500. Replaces NAD83(NSRS2007) / Minnesota Central (ftUS) (CRS code 26866).

NAD83(2011) / Minnesota North

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6502')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6502')
```

State law defines system in US survey feet. See code 6503 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Minnesota North (CRS code 3595).

NAD83(2011) / Minnesota North (ftUS)

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6503')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6503')
```

State law defines use of US survey feet. Federal definition is metric - see code 6502. Replaces NAD83(NSRS2007) / Minnesota North (ftUS) (CRS code 26865).

NAD83(2011) / Minnesota South

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6504')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6504')
```

State law defines system in US survey feet. See code 6505 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Minnesota South (CRS code 3596).

NAD83(2011) / Minnesota South (ftUS)

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6505')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6505')
```

State law defines use of US survey feet. Federal definition is metric - see code 6504. Replaces NAD83(NSRS2007) / Minnesota South (ftUS) (CRS code 26867).

NAD83(2011) / Mississippi East

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6506')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6506')
```

State law defines use of US survey feet. See code 6507 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Mississippi East (CRS code 3597).

NAD83(2011) / Mississippi East (ftUS)

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6507')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6507')
```

State law defines use of US survey feet. Federal definition is metric - see code 6506. Replaces NAD83(NSRS2007) / Mississippi East (ftUS) (CRS code 3598).

NAD83(2011) / Mississippi TM

Extent: United States (USA) - Mississippi

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6508')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6508')
```

Replaces NAD83(NSRS2007) / Mississippi TM (CRS code 3816).

NAD83(2011) / Mississippi West

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6509')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6509')
```

State law defines use of US survey feet. See code 6510 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Mississippi West (CRS code 3599)

NAD83(2011) / Mississippi West (ftUS)

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6510')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6510')
```

State law defines use of US survey feet. Federal definition is metric - see code 6509. Replaces NAD83(NSRS2007) / Mississippi West (ftUS) (CRS code 3600).

NAD83(2011) / Missouri Central

Extent: United States (USA) - Missouri - counties of Adair; Audrain; Benton; Boone; Callaway; Camden; Carroll; Chariton; Christian; Cole; Cooper; Dallas; Douglas; Greene; Grundy; Hickory; Howard; Howell; Knox; Laclede; Linn; Livingston; Macon; Maries; Mercer; Miller; Moniteau; Monroe; Morgan; Osage; Ozark; Pettis; Phelps; Polk; Pulaski; Putnam; Randolph; Saline; Schuyler; Scotland; Shelby; Stone; Sullivan; Taney; Texas; Webster; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6511')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6511')
```

Replaces NAD83(NSRS2007) / Missouri Central (CRS code 3601).

NAD83(2011) / Missouri East

Extent: United States (USA) - Missouri - counties of Bollinger; Butler; Cape Girardeau; Carter; Clark; Crawford; Dent; Dunklin; Franklin; Gasconade; Iron; Jefferson; Lewis; Lincoln; Madison; Marion; Mississippi; Montgomery; New Madrid; Oregon; Pemiscot; Perry; Pike; Ralls; Reynolds; Ripley; Scott; Shannon; St Charles; St Francois; St Louis; Ste. Genevieve; Stoddard; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6512')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6512')
```

Replaces NAD83(NSRS2007) / Missouri East (CRS code 3602).

NAD83(2011) / Missouri West

Extent: United States (USA) - Missouri - counties of Andrew; Atchison; Barry; Barton; Bates; Buchanan; Caldwell; Cass; Cedar; Clay; Clinton; Dade; Daviess; De Kalb; Gentry; Harrison; Henry; Holt; Jackson; Jasper; Johnson; Lafayette; Lawrence; McDonald; Newton; Nodaway; Platte; Ray; St Clair; Vernon; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6513')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6513')
```

Replaces NAD83(NSRS2007) / Missouri West (CRS code 3603).

NAD83(2011) / Montana

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MONTANA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6514')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MONTANA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6514')
```

State law defines use of International feet (note: not US survey feet). See code 6515 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Montana (CRS code 3604).

NAD83(2011) / Montana (ft)

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MONTANA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6515')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_MONTANA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6515')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6514. Replaces NAD83(NSRS2007) / Montana (ft) (CRS code 3605).

NAD83(2011) / NCRS Las Vegas (ftUS)

Extent: United States (USA) - Nevada - Las Vegas area below approximately 3000 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8384')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8384')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet. See CRS code 8383 for equivalent metric definition. Replaces NAD83 / NCRS Las Vegas (ftUS) (CRS code 8380).

NAD83(2011) / NCRS Las Vegas (m)

Extent: United States (USA) - Nevada - Las Vegas area below approximately 3000 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8383')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet - see CRS code 8384. Replaces NAD83 / NCRS Las Vegas (m) (CRS code 8379).

NAD83(2011) / NCRS Las Vegas high (ftUS)

Extent: United States (USA) - Nevada - Las Vegas area above approximately 2850 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_HIGH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8387')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_HIGH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8387')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet. See CRS code 8385 for equivalent metric definition. Replaces NAD83 / NCRS Las Vegas high (ftUS) (CRS code 8382).

NAD83(2011) / NCRS Las Vegas high (m)

Extent: United States (USA) - Nevada - Las Vegas area above approximately 2850 feet

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_HIGH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8385')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_HIGH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8385')
```

Part of the Nevada Coordinate Reference System (NCRS). Defined in meters, usage is in feet - see CRS code 8387. Replaces NAD83 / NCRS Las Vegas (m) (CRS code 8382).

NAD83(2011) / Nebraska

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6516')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6516')
```

State law defines system in US survey feet. See CRS code 6517 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Nebraska (CRS code 3606).

NAD83(2011) / Nebraska (ftUS)

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6880')
```

State law defines use of US survey feet. Federal definition is metric - see code 6516. Replaces NAD83(NSRS2007) / Nebraska (ftUS) (CRS code 26868).

NAD83(2011) / Nevada Central

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6518')
```

State law defines use of US survey feet. See code 6519 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Nevada Central (CRS code 3607).

NAD83(2011) / Nevada Central (ftUS)

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6519')
```

State law defines use of US survey feet. Federal definition is metric - see code 6518. Replaces NAD83(NSRS2007) / Nevada Central (ftUS) (CRS code 3608).

NAD83(2011) / Nevada East

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6520')
```

State law defines use of US survey feet. See code 6521 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Nevada East (CRS code 3609).

NAD83(2011) / Nevada East (ftUS)

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6521')
```

State law defines use of US survey feet. Federal definition is metric - see code 6520. Replaces NAD83(NSRS2007) / Nevada East (ftUS) (CRS code 3610).

NAD83(2011) / Nevada West

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6522')
```

State law defines use of US survey feet. See code 6523 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Nevada West (CRS code 3611).

NAD83(2011) / Nevada West (ftUS)

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6523')
```

State law defines use of US survey feet. Federal definition is metric - see code 6522. Replaces NAD83(NSRS2007) / Nevada West (ftUS) (CRS code 3612).

NAD83(2011) / New Hampshire

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6524')
```

State law defines use of US survey feet. See code 6525 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New Hampshire (CRS code 3613).

NAD83(2011) / New Hampshire (ftUS)

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6525')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6525')
```

State law defines use of US survey feet. Federal definition is metric - see code 6524. Replaces NAD83(NSRS2007) / New Hampshire (ftUS) (CRS code 3614).

NAD83(2011) / New Jersey

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6526')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6526')
```

State law defines use of US survey feet. See code 6527 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New Jersey (CRS code 3615).

NAD83(2011) / New Jersey (ftUS)

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6527')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6527')
```

State law defines use of US survey feet. Federal definition is metric - see code 6526. Replaces NAD83(NSRS2007) / New Jersey (ftUS) (CRS code 3616).

NAD83(2011) / New Mexico Central

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6528')
```

State law defines use of US survey feet. See code 6529 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New Mexico Central (CRS code 3617).

NAD83(2011) / New Mexico Central (ftUS)

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6529')
```

State law defines use of US survey feet. Federal definition is metric - see code 6528. Replaces NAD83(NSRS2007) / New Mexico Central (ftUS) (CRS code 3618).

NAD83(2011) / New Mexico East

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6530')
```

State law defines use of US survey feet. See code 6531 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New Mexico East (CRS code 3619).

NAD83(2011) / New Mexico East (ftUS)

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6531')
```

State law defines use of US survey feet. Federal definition is metric - see code 6530. Replaces NAD83(NSRS2007) / New Mexico East (ftUS) (CRS code 3620).

NAD83(2011) / New Mexico West

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6532')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6532')
```

State law defines use of US survey feet. See code 6533 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New Mexico West (CRS code 3621).

NAD83(2011) / New Mexico West (ftUS)

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6533')
```

State law defines use of US survey feet. Federal definition is metric - see code 6532. Replaces NAD83(NSRS2007) / New Mexico West (ftUS) (CRS code 3622).

NAD83(2011) / New York Central

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6534')
```

State law defines use of US survey feet. See code 6535 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New York Central (CRS code 3623).

NAD83(2011) / New York Central (ftUS)

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6535')
```

State law defines use of US survey feet. Federal definition is metric - see code 6534. Replaces NAD83(NSRS2007) / New York Central (ftUS) (CRS code 3624).

NAD83(2011) / New York East

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6536')
```

State law defines use of US survey feet. See code 6537 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New York East (CRS code 3625).

NAD83(2011) / New York East (ftUS)

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6537')
```

State law defines use of US survey feet. Federal definition is metric - see code 6536. Replaces NAD83(NSRS2007) / New York East (ftUS) (CRS code 3626).

NAD83(2011) / New York Long Island

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6538')
```

State law defines use of US survey feet. See code 6539 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New York Long Island (CRS code 3627).

NAD83(2011) / New York Long Island (ftUS)

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6539')
```

State law defines use of US survey feet. Federal definition is metric - see code 6538. Replaces NAD83(NSRS2007) / New York Long Island (ftUS) (CRS code 3628).

NAD83(2011) / New York West

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6540')
```

State law defines use of US survey feet. See code 6541 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / New York West (CRS code 3629).

NAD83(2011) / New York West (ftUS)

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6541')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6541')
```

State law defines use of US survey feet. Federal definition is metric - see code 6540. Replaces NAD83(NSRS2007) / New York West (ftUS) (CRS code 3630).

NAD83(2011) / North Carolina

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6542')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6542')
```

State law defines use of US survey feet. See CRS code 6543 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / North Carolina (CRS code 3631).

NAD83(2011) / North Carolina (ftUS)

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6543')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6543')
```

State law defines use of US survey feet. Federal definition is metric - see CRS code 6542. Replaces NAD83(NSRS2007) / North Carolina (ftUS) (CRS code 3632).

NAD83(2011) / North Dakota North

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6544')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6544')
```

State law defines use of International feet (note: not US survey feet). See code 6545 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / North Dakota North (CRS code 3633).

NAD83(2011) / North Dakota North (ft)

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6545')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6545')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6544. Replaces NAD83(NSRS2007) / North Dakota North (ft) (CRS code 3634).

NAD83(2011) / North Dakota South

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6546')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6546')
```

State law defines use of International feet (note: not US survey feet). See code 6547 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / North Dakota South (CRS code 3635).

NAD83(2011) / North Dakota South (ft)

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6547')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6546. Replaces NAD83(NSRS2007) / North Dakota South (ft) (CRS code 3636).

NAD83(2011) / Ohio North

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6548')
```

State law defines use of US survey feet. See code 6549 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Ohio North (CRS code 3637).

NAD83(2011) / Ohio North (ftUS)

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6549')
```

State law defines use of US survey feet. Federal definition is metric - see code 6548. Replaces NAD83(NSRS2007) / Ohio North (ftUS) (CRS code 3728).

NAD83(2011) / Ohio South

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6550')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6550')
```

State law defines use of US survey feet. See code 6551 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Ohio South (CRS code 3638).

NAD83(2011) / Ohio South (ftUS)

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6551')
```

State law defines use of US survey feet. Federal definition is metric - see code 6550. Replaces NAD83(NSRS2007) / Ohio South (ftUS) (CRS code 3729).

NAD83(2011) / Oklahoma North

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6552')
```

State law defines use of US survey feet. See code 6553 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Oklahoma North (CRS code 3639).

NAD83(2011) / Oklahoma North (ftUS)

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6553')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6553')
```

State law defines use of US survey feet. Federal definition is metric - see code 6552. Replaces NAD83(NSRS2007) / Oklahoma North (ftUS) (CRS code 3640).

NAD83(2011) / Oklahoma South

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6554')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6554')
```

State law defines use of US survey feet. See code 6555 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Oklahoma South (CRS code 3641).

NAD83(2011) / Oklahoma South (ftUS)

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6555')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6555')
```

State law defines use of US survey feet. Federal definition is metric - see code 6554. Replaces NAD83(NSRS2007) / Oklahoma South (ftUS) (CRS code 3642).

NAD83(2011) / Oregon Baker zone (ft)

Extent: United States (USA) - Oregon - Baker City area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6787')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6787')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Baker (m) (CRS code 6786) for metric equivalent. Replaces NAD83(CORS96) / Oregon Baker (ft) (CRS code 6785) from 2013-03-08.

NAD83(2011) / Oregon Baker zone (m)

Extent: United States (USA) - Oregon - Baker City area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6786')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6786')
```

Replaces NAD83(CORS96) / Oregon Baker (m) (CRS code 6784) from 2013-03-08. See NAD83(2011) / Oregon Baker (ft) (CRS code 6787) for non-metric equivalent.

NAD83(2011) / Oregon Bend-Burns zone (ft)

Extent: United States (USA) - Oregon - Bend-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6799')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6799')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Bend-Burns (m) (CRS code 6798) for metric equivalent. Replaces NAD83(CORS96) / Oregon Bend-Burns (ft) (CRS code 6797) from 2013-03-08.

NAD83(2011) / Oregon Bend-Burns zone (m)

Extent: United States (USA) - Oregon - Bend-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6798')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6798')
```

Replaces NAD83(CORS96) / Oregon Bend-Burns (m) (CRS code 6796) from 2013-03-08. See NAD83(2011) / Oregon Bend-Burns (ft) (CRS code 6799) for non-metric equivalent.

NAD83(2011) / Oregon Bend-Klamath Falls zone (ft)

Extent: United States (USA) - Oregon - Bend-Klamath Falls area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_KLAMATH_FALLS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_KLAMATH_FALLS_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6791')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Bend-Klamath Falls (m) (CRS code 6790) for metric equivalent. Replaces NAD83(CORS96) / Oregon Bend-Klamath Falls (ft) (CRS code 6789) from 2013-03-08.

NAD83(2011) / Oregon Bend-Klamath Falls zone (m)

Extent: United States (USA) - Oregon - Bend-Klamath Falls area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_KLAMATH_FALLS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6790')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_KLAMATH_FALLS_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6790')
```

Replaces NAD83(CORS96) / Oregon Bend-Klamath Falls (m) (CRS code 6788) from 2013-03-08. See NAD83(2011) / Oregon Bend-Klamath Falls (ft) (CRS code 6791) for non-metric equivalent.

NAD83(2011) / Oregon Bend-Redmond-Prineville zone (ft)

Extent: United States (USA) - Oregon - Bend-Redmond-Prineville area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6795')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_
↪PRINEVILLE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6795')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Bend-Redmond-Prineville (m) (CRS code 6794) for metric equivalent. Replaces NAD83(CORS96) / Oregon Bend-Redmond-Prineville (ft) (code 6793) from 2013-03-08.

NAD83(2011) / Oregon Bend-Redmond-Prineville zone (m)

Extent: United States (USA) - Oregon - Bend-Redmond-Prineville area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_
↪PRINEVILLE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6794')
```

Replaces NAD83(CORS96) / Oregon Bend-Redmond-Prineville (m) (CRS code 6792) from 2013-03-08. See NAD83(2011) / Oregon Bend-Redmond-Prineville (ft) (CRS code 6795) for non-metric equivalent.

NAD83(2011) / Oregon Burns-Harper zone (ft)

Extent: United States (USA) - Oregon - Burns-Harper area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8312')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Burns-Harper zone (m) (CRS code 8311) for metric equivalent.

NAD83(2011) / Oregon Burns-Harper zone (m)

Extent: United States (USA) - Oregon - Burns-Harper area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8311')
```

See NAD83(2011) / Oregon Burns-Harper zone (ft) (CRS code 8312) for non-metric equivalent.

NAD83(2011) / Oregon Canyon City-Burns zone (ft)

Extent: United States (USA) - Oregon - Canyon City-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYON_CITY_BURNS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYON_CITY_BURNS_
```

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```
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8314')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Canyon City-Burns zone (m) (CRS code 8313) for metric equivalent.

NAD83(2011) / Oregon Canyon City-Burns zone (m)

Extent: United States (USA) - Oregon - Canyon City-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYON_CITY_BURNS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYON_CITY_BURNS_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8313')
```

See NAD83(2011) / Oregon Canyon City-Burns zone (ft) (CRS code 8314) for non-metric equivalent.

NAD83(2011) / Oregon Canyonville-Grants Pass zone (ft)

Extent: United States (USA) - Oregon - Canyonville-Grants Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6803')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYONVILLE_GRANTS_
↪PASS_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6803')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Canyonville-Grants Pass (m) (CRS code 6802) for metric equivalent. Replaces NAD83(CORS96) / Oregon Canyonville-Grants Pass (ft) (code 6801) from 2013-03-08.

NAD83(2011) / Oregon Canyonville-Grants Pass zone (m)

Extent: United States (USA) - Oregon - Canyonville-Grants Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6802')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYONVILLE_GRANTS_
↪PASS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6802')
```

Replaces NAD83(CORS96) / Oregon Canyonville-Grants Pass (m) (CRS code 6800) from 2013-03-08. See NAD83(2011) / Oregon Canyonville-Grants Pass (ft) (CRS code 6803) for non-metric equivalent.

NAD83(2011) / Oregon Coast Range North zone (ft)

Extent: United States (USA) - Oregon - Coast Range North area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8316')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Coast Range North zone (m) (CRS code 8315) for metric equivalent.

NAD83(2011) / Oregon Coast Range North zone (m)

Extent: United States (USA) - Oregon - Coast Range North area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8315')
```

See NAD83(2011) / Oregon Coast Range North zone (ft) (CRS code 8316) for non-metric equivalent.

NAD83(2011) / Oregon Coast zone (ft)

Extent: United States (USA) - Oregon - coastal area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6843')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6843')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Coast (m) (CRS code 6842) for metric equivalent. Replaces NAD83(CORS96) / Oregon Coast (ft) (CRS code 6841) from 2013-03-08.

NAD83(2011) / Oregon Coast zone (m)

Extent: United States (USA) - Oregon - coastal area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6842')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6842')
```

Replaces NAD83(CORS96) / Oregon Coast (m) (CRS code 6840) from 2013-03-08. See NAD83(2011) / Oregon Coast (ft) (CRS code 6843) for non-metric equivalent.

NAD83(2011) / Oregon Columbia River East zone (ft)

Extent: United States (USA) - Oregon - Columbia River area between approximately 122°03'W and 118°53'W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_EAST_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6807')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_
↪EAST_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6807')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Columbia River East (m) (CRS code 6806) for metric equivalent. Replaces NAD83(CORS96) / Oregon Columbia River East (ft) (CRS code 6805) from 2013-03-08.

NAD83(2011) / Oregon Columbia River East zone (m)

Extent: United States (USA) - Oregon - Columbia River area between approximately 122°03'W and 118°53'W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_EAST_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6806')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_
↪EAST_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6806')
```

Replaces NAD83(CORS96) / Oregon Columbia River East (m) (CRS code 6804) from 2013-03-08. See NAD83(2011) / Oregon Columbia River East (ft) (CRS code 6807) for non-metric equivalent.

NAD83(2011) / Oregon Columbia River West zone (ft)

Extent: United States (USA) - Oregon - Columbia River area west of approximately 121°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_WEST_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6811')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_
↪WEST_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6811')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Columbia River West (m) (CRS code 6810) for metric equivalent. Replaces NAD83(CORS96) / Oregon Columbia River West (ft) (CRS code 6809) from 2013-03-08.

NAD83(2011) / Oregon Columbia River West zone (m)

Extent: United States (USA) - Oregon - Columbia River area west of approximately 121°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_WEST_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6810')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_
↪WEST_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6810')
```

Replaces NAD83(CORS96) / Oregon Columbia River West (m) (CRS code 6808) from 2013-03-08. See NAD83(2011) / Oregon Columbia River West (ft) (CRS code 6811) for non-metric equivalent.

NAD83(2011) / Oregon Cottage Grove-Canyonville zone (ft)

Extent: United States (USA) - Oregon - Cottage Grove-Canyonville area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6815')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_
↪CANYONVILLE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6815')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Cottage Grove-Canyonville (m) (code 6814) for metric equivalent. Replaces NAD83(CORS96) / Oregon Cottage Grove-Canyonville (ft) (code 6813) from 2013-03-08.

NAD83(2011) / Oregon Cottage Grove-Canyonville zone (m)

Extent: United States (USA) - Oregon - Cottage Grove-Canyonville area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6814')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_
↪CANYONVILLE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6814')
```

Replaces NAD83(CORS96) / Oregon Cottage Grove-Canyonville (m) (CRS code 6812) from 2013-03-08. See NAD83(2011) / Oregon Cottage Grove-Canyonville (ft) (CRS code 6815) for non-metric equivalent.

NAD83(2011) / Oregon Dayville-Prairie City zone (ft)

Extent: United States (USA) - Oregon - Dayville-Prairie City area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DAYVILLE_PRAIRIE_CITY_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DAYVILLE_PRAIRIE_
↪CITY_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8318')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Dayville-Prairie City zone (m) (CRS code 8317) for metric equivalent.

NAD83(2011) / Oregon Dayville-Prairie City zone (m)

Extent: United States (USA) - Oregon - Dayville-Prairie City area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DAYVILLE_PRAIRIE_CITY_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DAYVILLE_PRAIRIE_
↪CITY_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8317')
```

See NAD83(2011) / Oregon Dayville-Prairie City zone (ft) (CRS code 8318) for non-metric equivalent.

NAD83(2011) / Oregon Denio-Burns zone (ft)

Extent: United States (USA) - Oregon - Denio-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DENIO_BURNS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DENIO_BURNS_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8320')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Denio-Burns zone (m) (CRS code 8319) for metric equivalent.

NAD83(2011) / Oregon Denio-Burns zone (m)

Extent: United States (USA) - Oregon - Denio-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DENIO_BURNS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DENIO_BURNS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8319')
```

See NAD83(2011) / Oregon Denio-Burns zone (ft) (CRS code 8320) for non-metric equivalent.

NAD83(2011) / Oregon Dufur-Madras zone (ft)

Extent: United States (USA) - Oregon - Dufur-Madras area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DUFUR_MADRAS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6819')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DUFUR_MADRAS_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6819')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Dufur-Madras (m) (CRS code 6818) for metric equivalent. Replaces NAD83(CORS96) / Oregon Dufur-Madras (ft) (CRS code 6817) from 2013-03-08.

NAD83(2011) / Oregon Dufur-Madras zone (m)

Extent: United States (USA) - Oregon - Dufur-Madras area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DUFUR_MADRAS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6818')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DUFUR_MADRAS_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6818')
```

Replaces NAD83(CORS96) / Oregon Dufur-Madras (m) (CRS code 6816) from 2013-03-08. See NAD83(2011) / Oregon Dufur-Madras (ft) (CRS code 6819) for non-metric equivalent.

NAD83(2011) / Oregon Eugene zone (ft)

Extent: United States (USA) - Oregon - Eugene area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6823')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6823')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Eugene (m) (CRS code 6822) for metric equivalent. Replaces NAD83(CORS96) / Oregon Eugene (ft) (CRS code 6821) from 2013-03-08.

NAD83(2011) / Oregon Eugene zone (m)

Extent: United States (USA) - Oregon - Eugene area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6822')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6822')
```

Replaces NAD83(CORS96) / Oregon Eugene (m) (CRS code 6820) from 2013-03-08. See NAD83(2011) / Oregon Eugene (ft) (CRS code 6823) for non-metric equivalent.

NAD83(2011) / Oregon GIC Lambert (ft)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GIC_LAMBERT_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6557')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GIC_LAMBERT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6557')
```

State law defines use of International feet (note: not US survey feet). Replaces NAD83(CORS96) / Oregon GIC Lambert (ft) and NAD83(NSRS2007) / Oregon GIC Lambert (ft) (CRS codes 3644 and 6868).

NAD83(2011) / Oregon Grants Pass-Ashland zone (ft)

Extent: United States (USA) - Oregon - Grants Pass-Ashland area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_ASHLAND_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6827')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_
↪ASHLAND_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6827')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Grants Pass-Ashland (m) (CRS code 6826) for metric equivalent. Replaces NAD83(CORS96) / Oregon Grants Pass-Ashland (ft) (CRS code 6825) from 2013-03-08.

NAD83(2011) / Oregon Grants Pass-Ashland zone (m)

Extent: United States (USA) - Oregon - Grants Pass-Ashland area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_ASHLAND_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_
```

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```
↪ASHLAND_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6826')
```

Replaces NAD83(CORS96) / Oregon Grants Pass-Ashland (m) (CRS code 6824) from 2013-03-08. See NAD83(2011) / Oregon Grants Pass-Ashland (ft) (CRS code 6827) for non-metric equivalent.

NAD83(2011) / Oregon Gresham-Warm Springs zone (ft)

Extent: United States (USA) - Oregon - Gresham-Warm Springs area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_SPRINGS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6831')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_
↪SPRINGS_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6831')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Gresham-Warm Springs (m) (CRS code 6830) for metric equivalent. Replaces NAD83(CORS96) / Oregon Gresham-Warm Springs (ft) (CRS code 6829) from 2013-03-08.

NAD83(2011) / Oregon Gresham-Warm Springs zone (m)

Extent: United States (USA) - Oregon - Gresham-Warm Springs area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_SPRINGS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6830')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_
↪SPRINGS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6830')
```

Replaces NAD83(CORS96) / Oregon Gresham-Warm Springs (m) (CRS code 6828) from 2013-03-08. See NAD83(2011) / Oregon Gresham-Warm Springs (ft) (CRS code 6831) for non-metric equivalent.

NAD83(2011) / Oregon Halfway zone (ft)

Extent: United States (USA) - Oregon - Halfway area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8322')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Halfway zone (m) (CRS code 8321) for metric equivalent.

NAD83(2011) / Oregon Halfway zone (m)

Extent: United States (USA) - Oregon - Halfway area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8321')
```

See NAD83(2011) / Oregon Halfway zone (ft) (CRS code 8322) for non-metric equivalent.

NAD83(2011) / Oregon LCC (m)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LCC_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6556')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LCC_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6556')
```

Replaces NAD83(CORS96) / Oregon LCC (m) and NAD83(NSRS2007) / Oregon LCC (m) (CRS codes 6867 and 3643). See CRS code 6557 for non-metric definition used by state agencies.

NAD83(2011) / Oregon La Grande zone (ft)

Extent: United States (USA) - Oregon - La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6835')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6835')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon La Grande (m) (CRS code 6834) for metric equivalent. Replaces NAD83(CORS96) / Oregon La Grande (ft) (CRS code 6833) from 2013-03-08.

NAD83(2011) / Oregon La Grande zone (m)

Extent: United States (USA) - Oregon - La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6834')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6834')
```

Replaces NAD83(CORS96) / Oregon La Grande (m) (CRS code 6832) from 2013-03-08. See NAD83(2011) / Oregon La Grande (ft) (CRS code 6835) for non-metric equivalent.

NAD83(2011) / Oregon Medford-Diamond Lake zone (ft)

Extent: United States (USA) - Oregon - Medford-Diamond Lake area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MEDFORD_DIAMOND_LAKE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MEDFORD_DIAMOND_
↪LAKE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8324')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Medford-Diamond Lake zone (m) (CRS code 8323) for metric equivalent.

NAD83(2011) / Oregon Medford-Diamond Lake zone (m)

Extent: United States (USA) - Oregon - Medford-Diamond Lake area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MEDFORD_DIAMOND_LAKE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MEDFORD_DIAMOND_
↪LAKE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8323')
```

See NAD83(2011) / Oregon Medford-Diamond Lake zone (ft) (CRS code 8324) for non-metric equivalent.

NAD83(2011) / Oregon Mitchell zone (ft)

Extent: United States (USA) - Oregon - Mitchell area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8326')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Mitchell zone (m) (CRS code 8325) for metric equivalent.

NAD83(2011) / Oregon Mitchell zone (m)

Extent: United States (USA) - Oregon - Mitchell area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8325')
```

See NAD83(2011) / Oregon Mitchell zone (ft) (CRS code 8326) for non-metric equivalent.

NAD83(2011) / Oregon North

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6558')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6558')
```

State law defines use of International feet (note: not US survey feet). See code 6559 for equivalent non-metric definition. Replaces NAD83(CORS96) / Oregon North and NAD83(NSRS2007) / Oregon North (CRS codes 6884 and 3645).

NAD83(2011) / Oregon North (ft)

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6559')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6558. Replaces NAD83(CORS96) / Oregon North (ft) and NAD83(NSRS2007) / Oregon North (ft) (CRS codes 6885 and 3646).

NAD83(2011) / Oregon North Central zone (ft)

Extent: United States (USA) - Oregon - North Central area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8328')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon North Central zone (m) (CRS code 8327) for metric equivalent.

NAD83(2011) / Oregon North Central zone (m)

Extent: United States (USA) - Oregon - North Central area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8327')
```

See NAD83(2011) / Oregon North Central zone (ft) (CRS code 8328) for non-metric equivalent.

NAD83(2011) / Oregon Ochoco Summit zone (ft)

Extent: United States (USA) - Oregon - Ochoco Summit area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8330')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Ochoco Summit zone (m) (CRS code 8329) for metric equivalent.

NAD83(2011) / Oregon Ochoco Summit zone (m)

Extent: United States (USA) - Oregon - Ochoco Summit area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8329')
```

See NAD83(2011) / Oregon Ochoco Summit zone (ft) (CRS code 8330) for non-metric equivalent.

NAD83(2011) / Oregon Ontario zone (ft)

Extent: United States (USA) - Oregon - Ontario area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6839')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Ontario (m) (CRS code 6838) for metric equivalent. Replaces NAD83(CORS96) / Oregon Ontario (ft) (CRS code 6837) from 2013-03-08.

NAD83(2011) / Oregon Ontario zone (m)

Extent: United States (USA) - Oregon - Ontario area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6838')
```

Replaces NAD83(CORS96) / Oregon Ontario (m) (CRS code 6836) from 2013-03-08. See NAD83(2011) / Oregon Ontario (ft) (CRS code 6839) for non-metric equivalent.

NAD83(2011) / Oregon Owyhee zone (ft)

Extent: United States (USA) - Oregon - Owyhee area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8332')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Owyhee zone (m) (CRS code 8331) for metric equivalent.

NAD83(2011) / Oregon Owyhee zone (m)

Extent: United States (USA) - Oregon - Owyhee area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8331')
```

See NAD83(2011) / Oregon Owyhee zone (ft) (CRS code 8332) for non-metric equivalent.

NAD83(2011) / Oregon Pendleton zone (ft)

Extent: United States (USA) - Oregon - Pendleton area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6847')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Pendleton (m) (CRS code 6846) for metric equivalent. Replaces NAD83(CORS96) / Oregon Pendleton (ft) (CRS code 6845) from 2013-03-08.

NAD83(2011) / Oregon Pendleton zone (m)

Extent: United States (USA) - Oregon - Pendleton area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6846')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6846')
```

Replaces NAD83(CORS96) / Oregon Pendleton (m) (CRS code 6844) from 2013-03-08. See NAD83(2011) / Oregon Pendleton (ft) (CRS code 6847) for non-metric equivalent.

NAD83(2011) / Oregon Pendleton-La Grande zone (ft)

Extent: United States (USA) - Oregon - Pendleton-La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_GRANDE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_
↪GRANDE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6851')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Pendleton-La Grande (m) (CRS code 6850) for metric equivalent. Replaces NAD83(CORS96) / Oregon Pendleton-La Grande (ft) (CRS code 6849) from 2013-03-08.

NAD83(2011) / Oregon Pendleton-La Grande zone (m)

Extent: United States (USA) - Oregon - Pendleton-La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_GRANDE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_
↪GRANDE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6850')
```

Replaces NAD83(CORS96) / Oregon Pendleton-La Grande (m) (CRS code 6848) from 2013-03-08. See NAD83(2011) / Oregon Pendleton-La Grande (ft) (CRS code 6851) for non-metric equivalent.

NAD83(2011) / Oregon Pilot Rock-Ukiah zone (ft)

Extent: United States (USA) - Oregon - Pilot Rock-Ukiah area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PILOT_ROCK_UKIAH_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PILOT_ROCK_UKIAH_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8334')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Pilot Rock-Ukiah zone (m) (CRS code 8333) for metric equivalent.

NAD83(2011) / Oregon Pilot Rock-Ukiah zone (m)

Extent: United States (USA) - Oregon - Pilot Rock-Ukiah area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PILOT_ROCK_UKIAH_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PILOT_ROCK_UKIAH_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8333')
```

See NAD83(2011) / Oregon Pilot Rock-Ukiah zone (ft) (CRS code 8334) for non-metric equivalent.

NAD83(2011) / Oregon Portland zone (ft)

Extent: United States (USA) - Oregon - Portland area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PORTLAND_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6855')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PORTLAND_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6855')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Portland (m) (CRS code 6854) for metric equivalent. Replaces NAD83(CORS96) / Oregon Portland (ft) (CRS code 6853) from 2013-03-08.

NAD83(2011) / Oregon Portland zone (m)

Extent: United States (USA) - Oregon - Portland area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PORTLAND_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6854')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PORTLAND_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6854')
```

Replaces NAD83(CORS96) / Oregon Portland (m) (CRS code 6852) from 2013-03-08. See NAD83(2011) / Oregon Portland (ft) (CRS code 6855) for non-metric equivalent.

NAD83(2011) / Oregon Prairie City-Brogan zone (ft)

Extent: United States (USA) - Oregon - Prairie City-Brogan area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PRAIRIE_CITY_BROGAN_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PRAIRIE_CITY_
↪BROGAN_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8336')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Prairie City-Brogan zone (m) (CRS code 8335) for metric equivalent.

NAD83(2011) / Oregon Prairie City-Brogan zone (m)

Extent: United States (USA) - Oregon - Prairie City-Brogan area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PRAIRIE_CITY_BROGAN_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PRAIRIE_CITY_
↪BROGAN_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8335')
```

See NAD83(2011) / Oregon Prairie City-Brogan zone (ft) (CRS code 8336) for non-metric equivalent.

NAD83(2011) / Oregon Riley-Lakeview zone (ft)

Extent: United States (USA) - Oregon - Riley-Lakeview area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_RILEY_LAKEVIEW_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_RILEY_LAKEVIEW_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8338')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Riley-Lakeview zone (m) (CRS code 8337) for metric equivalent.

NAD83(2011) / Oregon Riley-Lakeview zone (m)

Extent: United States (USA) - Oregon - Riley-Lakeview area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_RILEY_LAKEVIEW_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_RILEY_LAKEVIEW_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8337')
```

See NAD83(2011) / Oregon Riley-Lakeview zone (ft) (CRS code 8338) for non-metric equivalent.

NAD83(2011) / Oregon Salem zone (ft)

Extent: United States (USA) - Oregon - Salem area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6859')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6859')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Salem (m) (CRS code 6858) for metric equivalent. Replaces NAD83(CORS96) / Oregon Salem (ft) (CRS code 6857) from 2013-03-08.

NAD83(2011) / Oregon Salem zone (m)

Extent: United States (USA) - Oregon - Salem area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6858')
```

Replaces NAD83(CORS96) / Oregon Salem (m) (CRS code 6856) from 2013-03-08. See NAD83(2011) / Oregon Salem (ft) (CRS code 6859) for non-metric equivalent.

NAD83(2011) / Oregon Santiam Pass zone (ft)

Extent: United States (USA) - Oregon - Sweet Home-Santiam Pass-Sisters area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6863')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6863')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Santiam Pass (m) (CRS code 6862) for metric equivalent. Replaces NAD83(CORS96) / Oregon Santiam Pass (ft) (CRS code 6861) from 2013-03-08.

NAD83(2011) / Oregon Santiam Pass zone (m)

Extent: United States (USA) - Oregon - Sweet Home-Santiam Pass-Sisters area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6862')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6862')
```

Replaces NAD83(CORS96) / Oregon Santiam Pass (m) (CRS code 6860) from 2013-03-08. See NAD83(2011) / Oregon Santiam Pass (ft) (CRS code 6863) for non-metric equivalent.

NAD83(2011) / Oregon Siskiyou Pass zone (ft)

Extent: United States (USA) - Oregon - Siskiyou Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SISKIYOU_PASS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SISKIYOU_PASS_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8340')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Siskiyou Pass zone (m) (CRS code 8339) for metric equivalent.

NAD83(2011) / Oregon Siskiyou Pass zone (m)

Extent: United States (USA) - Oregon - Siskiyou Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SISKIYOU_PASS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SISKIYOU_PASS_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8339')
```

See NAD83(2011) / Oregon Siskiyou Pass zone (ft) (CRS code 8340) for non-metric equivalent.

NAD83(2011) / Oregon South

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6560')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6560')
```

State law defines use of International feet (note: not US survey feet). See code 6561 for equivalent non-metric definition. Replaces NAD83(CORS96) / Oregon South and NAD83(NSRS2007) / Oregon South (CRS codes 6886 and 3647).

NAD83(2011) / Oregon South (ft)

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6561')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6561')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6560. Replaces NAD83(CORS96) / Oregon South (ft) and NAD83(NSRS2007) / Oregon South (ft) (CRS codes 6887 and 3648).

NAD83(2011) / Oregon Ukiah-Fox zone (ft)

Extent: United States (USA) - Oregon - Ukiah-Fox area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8342')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Ukiah-Fox zone (m) (CRS code 8341) for metric equivalent.

NAD83(2011) / Oregon Ukiah-Fox zone (m)

Extent: United States (USA) - Oregon - Ukiah-Fox area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8341')
```

See NAD83(2011) / Oregon Ukiah-Fox zone (ft) (CRS code 8342) for non-metric equivalent.

NAD83(2011) / Oregon Wallowa zone (ft)

Extent: United States (USA) - Oregon - Wallowa area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8344')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Wallowa zone (m) (CRS code 8343) for metric equivalent.

NAD83(2011) / Oregon Wallowa zone (m)

Extent: United States (USA) - Oregon - Wallowa area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8343')
```

See NAD83(2011) / Oregon Wallowa zone (ft) (CRS code 8344) for non-metric equivalent.

NAD83(2011) / Oregon Warner Highway zone (ft)

Extent: United States (USA) - Oregon - Warner Highway area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8346')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Warner Highway zone (m) (CRS code 8345) for metric equivalent.

NAD83(2011) / Oregon Warner Highway zone (m)

Extent: United States (USA) - Oregon - Warner Highway area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8345')
```

See NAD83(2011) / Oregon Warner Highway zone (ft) (CRS code 8346) for non-metric equivalent.

NAD83(2011) / Oregon Willamette Pass zone (ft)

Extent: United States (USA) - Oregon - Willamette Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WILLAMETTE_PASS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WILLAMETTE_PASS_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8348')
```

State law defines use of International feet (note: not US survey feet). See NAD83(2011) / Oregon Willamette Pass zone (m) (CRS code 8347) for metric equivalent.

NAD83(2011) / Oregon Willamette Pass zone (m)

Extent: United States (USA) - Oregon - Willamette Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WILLAMETTE_PASS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WILLAMETTE_PASS_
```

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```
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8347')
```

See NAD83(2011) / Oregon Willamette Pass zone (ft) (CRS code 8348) for non-metric equivalent.

NAD83(2011) / PCCS zone 1 (ft)

Extent: United States (USA) - Arizona - Pima county - east of the township line between ranges R7E and R8E, Gila and Salt River Meridian (east of approximately 111°34'W)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_1_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8065')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_1_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8065')
```

Grid unit is International feet (note: not US Survey feet).

NAD83(2011) / PCCS zone 2 (ft)

Extent: United States (USA) - Arizona - Pima county - between the township line between ranges R2W and R3W and the township line between ranges R7E and R8E, Gila and Salt River Meridian (between approximately 112°31'W and 111°34'W)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_2_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8066')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_2_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8066')
```

Grid unit is International feet (note: not US Survey feet).

NAD83(2011) / PCCS zone 3 (ft)

Extent: United States (USA) - Arizona - Pima county - west of the township line between ranges R2W and R3W, Gila and Salt River Meridian (west of approximately 112°31'W)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_3_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8067')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_3_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8067')
```

Grid unit is International feet (note: not US Survey feet).

NAD83(2011) / PCCS zone 4 (ft)

Extent: United States (USA) - Arizona - Pima county - Catalina Highway corridor between Mt. Lemmon and Willow Canyon

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_4_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8068')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_4_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8068')
```

Grid unit is International feet (note: not US Survey feet).

NAD83(2011) / Pennsylvania North

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6562')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6562')
```

State law defines use of US survey feet. See code 6563 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Pennsylvania North (CRS code 3649).

NAD83(2011) / Pennsylvania North (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6563')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6563')
```

State law defines use of US survey feet. Federal definition is metric - see code 6562. Replaces NAD83(NSRS2007) / Pennsylvania North (ftUS) (CRS code 3650).

NAD83(2011) / Pennsylvania South

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6564')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6564')
```

State law defines use of US survey feet. See code 6565 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Pennsylvania South (CRS code 3651).

NAD83(2011) / Pennsylvania South (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6565')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6565')
```

State law defines use of US survey feet. Federal definition is metric - see code 6564. Replaces NAD83(NSRS2007) / Pennsylvania South (ftUS) (CRS code 3652).

NAD83(2011) / Puerto Rico and Virgin Is.

Extent: Puerto Rico and US Virgin Islands - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PUERTO_RICO_AND_VIRGIN_IS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6566')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_PUERTO_RICO_AND_VIRGIN_IS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6566')
```

Replaces NAD83(CORS96) / Puerto Rico and Virgin Is. (CRS code 6307) and NAD83(NSRS2007) / Puerto Rico and Virgin Is. (CRS code 4437).

NAD83(2011) / RMTCRS Billings (ft)

Extent: United States (USA) - Montana - Billings area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7127')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7127')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Billings (m) (CRS code 7117) for metric equivalent.

NAD83(2011) / RMTCRS Billings (m)

Extent: United States (USA) - Montana - Billings area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7117')
```

See NAD83(2011) / RMTCRS Billings (ft) (CRS code 7127) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system.

NAD83(2011) / RMTCRS Blackfeet (ft)

Extent: United States (USA) - Montana - Blackfeet Indian Reservation

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7120')
```

IIn area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Blackfeet (m) (CRS code 7110) for metric equivalent.

NAD83(2011) / RMTCRS Blackfeet (m)

Extent: United States (USA) - Montana - Blackfeet Indian Reservation

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7110')
```

See NAD83(2011) / RMTCRS Blackfeet (ft) (CRS code 7120) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system.

NAD83(2011) / RMTCRS Bobcat (ft)

Extent: United States (USA) - Montana - Three Forks area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7126')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7126')
```

Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Bobcat (m) (CRS code 7116) for metric equivalent.

NAD83(2011) / RMTCRS Bobcat (m)

Extent: United States (USA) - Montana - Three Forks area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7116')
```

See NAD83(2011) / RMTCRS Bobcat (ft) (CRS code 7126) for non-metric equivalent.

NAD83(2011) / RMTCRS Crow (ft)

Extent: United States (USA) - Montana - Crow Indian Reservation

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7125')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Crow (m) (CRS code 7115) for metric equivalent.

NAD83(2011) / RMTCRS Crow (m)

Extent: United States (USA) - Montana - Crow Indian Reservation

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7115')
```

See NAD83(2011) / RMTCRS Crow (ft) (CRS code 7125) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system.

NAD83(2011) / RMTCRS Fort Belknap (ft)

Extent: United States (USA) - Montana - Fort Belknap Indian Reservation area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7122')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Fort Belknap (m) (CRS code 7112) for metric equivalent.

NAD83(2011) / RMTCRS Fort Belknap (m)

Extent: United States (USA) - Montana - Fort Belknap Indian Reservation area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7112')
```

See NAD83(2011) / RMTCRS Fort Belknap (ft) (CRS code 7122) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide.

NAD83(2011) / RMTCRS Fort Peck Assiniboine (ft)

Extent: United States (USA) - Montana - Fort Peck Indian Reservation - higher areas, notably in west and north

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_ASSINIBOINE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_
↪ASSINIBOINE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7123')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Fort Peck Assiniboine (m) (CRS code 7113) for metric equivalent.

NAD83(2011) / RMTCRS Fort Peck Assiniboine (m)

Extent: United States (USA) - Montana - Fort Peck Indian Reservation - higher areas, notably in west and north

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_ASSINIBOINE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_
↪ASSINIBOINE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7113')
```

See NAD83(2011) / RMTCRS Fort Peck Assiniboine (ft) (CRS code 7123) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system.

NAD83(2011) / RMTCRS Fort Peck Sioux (ft)

Extent: United States (USA) - Montana - Fort Peck Indian Reservation - lower areas, notably in south and east

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7124')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Fort Peck Sioux (m) (CRS code 7114) for metric equivalent.

NAD83(2011) / RMTCRS Fort Peck Sioux (m)

Extent: United States (USA) - Montana - Fort Peck Indian Reservation - lower areas, notably in south and east

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7114')
```

See NAD83(2011) / RMTCRS Fort Peck Sioux (ft) (CRS code 7124) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system.

NAD83(2011) / RMTCRS Milk River (ft)

Extent: United States (USA) - Montana - Milk River area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7121')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS Milk River (m) (CRS code 7111) for metric equivalent.

NAD83(2011) / RMTCRS Milk River (m)

Extent: United States (USA) - Montana - Milk River area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7111')
```

SIn area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide.

NAD83(2011) / RMTCRS St Mary (ft)

Extent: United States (USA) - Montana - St Mary's Valley area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7119')
```

In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system. Working unit is International feet (note: not US survey feet). See NAD83(2011) / RMTCRS St Mary (m) (CRS code 7109) for metric equivalent.

NAD83(2011) / RMTCRS St Mary (m)

Extent: United States (USA) - Montana - St Mary's Valley area

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7109')
```

See NAD83(2011) / RMTCRS St Mary (ft) (CRS code 7119) for non-metric equivalent. In area overlapping adjacent zones refer to distortion maps in RMTCRS User Guide to choose system.

NAD83(2011) / RMTCRS Wind River (ftUS)

Extent: United States (USA) - Wyoming - Wind River Indian Reservation

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7128')
```

Working unit is US survey feet. See NAD83(2011) / RMTCRS Wind River (m) (CRS code 7118) for metric equivalent.

NAD83(2011) / RMTCRS Wind River (m)

Extent: United States (USA) - Wyoming - Wind River Indian Reservation

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7118')
```

See NAD83(2011) / RMTCRS Wind River (ftUS) (CRS code 7128) for non-metric equivalent.

NAD83(2011) / Rhode Island

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6567')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6567')
```

State law defines use of US survey feet. See code 6568 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Rhode Island (CRS code 3653).

NAD83(2011) / Rhode Island (ftUS)

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6568')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6568')
```

State law defines use of US survey feet. Federal definition is metric - see code 6567. Replaces NAD83(NSRS2007) / Rhode Island (ftUS) (CRS code 3654).

NAD83(2011) / San Francisco CS13

Extent: United States (USA) - California - San Francisco bay area - counties of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7131')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7131')
```

Designed for mm precision in city and county of San Francisco, adequate for cm precision for GIS use in 10-county area. State law defines use of US survey feet. See CRS code 7132 for equivalent non-metric definition.

NAD83(2011) / San Francisco CS13 (ftUS)

Extent: United States (USA) - California - San Francisco bay area - counties of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7132')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7132')
```

Initial definition is metric - see CRS code 7131. Designed for 0.003 ft precision in city and county of San Francisco, adequate for 0.03 ft precision for GIS use in 10-county area.

NAD83(2011) / South Carolina

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6569')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6569')
```

State law defines use of International feet (note: not US survey feet). See code 6570 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / South Carolina (CRS code 3655).

NAD83(2011) / South Carolina (ft)

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6570')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6570')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 6569. Replaces NAD83(NSRS2007) / South Carolina (ft) (CRS code 3656).

NAD83(2011) / South Dakota North

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6571')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6571')
```

State law defines use of US survey feet. See code 6572 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / South Dakota North (CRS code 3657).

NAD83(2011) / South Dakota North (ftUS)

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6572')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6572')
```

State law defines use of US survey feet. Federal definition is metric - see code 6571. Replaces NAD83(NSRS2007) / South Dakota North (ftUS) (CRS code 3658).

NAD83(2011) / South Dakota South

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6573')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6573')
```

State law defines use of US survey feet. See code 6574 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / South Dakota South (CRS code 3659).

NAD83(2011) / South Dakota South (ftUS)

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6574')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6574')
```

State law defines use of US survey feet. Federal definition is metric - see code 6573. Replaces NAD83(NSRS2007) / South Dakota South (ftUS) (CRS code 3660).

NAD83(2011) / Tennessee

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6575')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6575')
```

State law defines use of US survey feet. See code 6576 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Tennessee (CRS code 3661).

NAD83(2011) / Tennessee (ftUS)

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6576')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6576')
```

State law defines use of US survey feet. Federal definition is metric - see code 6575. Replaces NAD83(NSRS2007) / Tennessee (ftUS) (CRS code 3662).

NAD83(2011) / Texas Central

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6577')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6577')
```

State law defines use of US survey feet. See code 6578 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Texas Central (CRS code 3663).

NAD83(2011) / Texas Central (ftUS)

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6578')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6578')
```

State law defines use of US survey feet. Federal definition is metric - see code 6577. Replaces NAD83(NSRS2007) / Texas Central (ftUS) (CRS code 3664).

NAD83(2011) / Texas Centric Albers Equal Area

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6579')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_ALBERS_
↪EQUAL_AREA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6579')
```

Replaces NAD83(NSRS2007) / TX Albers (CRS code 3665). For state-wide spatial data presentation requiring shape preservation use NAD83(2011) / TX LC (CRS code 6580).

NAD83(2011) / Texas Centric Lambert Conformal

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_LAMBERT_CONFORMAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6580')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_LAMBERT_
↪CONFORMAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6580')
```

Replaces NAD83(NSRS2007) / TX LC (CRS code 3666). For state-wide spatial data presentation requiring true area measurements use NAD83(2011) / TX Albers (CRS code 6579).

NAD83(2011) / Texas North

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6581')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6581')
```

State law defines use of US survey feet. See code 6582 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Texas North (CRS code 3667).

NAD83(2011) / Texas North (ftUS)

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6582')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6582')
```

State law defines use of US survey feet. Federal definition is metric - see code 6581. Replaces NAD83(NSRS2007) / Texas North (ftUS) (CRS code 3668).

NAD83(2011) / Texas North Central

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6583')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6583')
```

State law defines use of US survey feet. See code 6584 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Texas North Central (CRS code 3669).

NAD83(2011) / Texas North Central (ftUS)

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6584')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6584')
```

State law defines use of US survey feet. Federal definition is metric - see code 6583. Replaces NAD83(NSRS2007) / Texas North Central (ftUS) (CRS code 3670).

NAD83(2011) / Texas South

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6585')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6585')
```

State law defines use of US survey feet. See code 6586 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Texas South (CRS code 3671).

NAD83(2011) / Texas South (ftUS)

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6586')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6586')
```

State law defines use of US survey feet. Federal definition is metric - see code 6585. Replaces NAD83(NSRS2007) / Texas South (ftUS) (CRS code 3672).

NAD83(2011) / Texas South Central

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6587')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6587')
```

State law defines use of US survey feet. See code 6588 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Texas South Central (CRS code 3673).

NAD83(2011) / Texas South Central (ftUS)

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6588')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6588')
```

State law defines use of US survey feet. Federal definition is metric - see code 6587. Replaces NAD83(NSRS2007) / Texas South Central (ftUS) (CRS code 3674).

NAD83(2011) / UTM zone 10N

Extent: United States (USA) - between 126°W and 120°W onshore and offshore - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6339')
```

Replaces NAD83(NSRS2007) / UTM zone 10N.

NAD83(2011) / UTM zone 11N

Extent: United States (USA) - between 120°W and 114°W onshore and offshore - California, Idaho, Nevada, Oregon, Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6340')
```

Replaces NAD83(NSRS2007) / UTM zone 11N.

NAD83(2011) / UTM zone 12N

Extent: United States (USA) - between 114°W and 108°W - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6341')
```

Replaces NAD83(NSRS2007) / UTM zone 12N.

NAD83(2011) / UTM zone 13N

Extent: United States (USA) - between 108°W and 102°W - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6342')
```

Replaces NAD83(NSRS2007) / UTM zone 13N.

NAD83(2011) / UTM zone 14N

Extent: United States (USA) - between 102°W and 96°W onshore and offshore - Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6343')
```

Replaces NAD83(NSRS2007) / UTM zone 14N.

NAD83(2011) / UTM zone 15N

Extent: United States (USA) - between 96°W and 90°W onshore and offshore - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6344')
```

Replaces NAD83(NSRS2007) / UTM zone 15N.

NAD83(2011) / UTM zone 16N

Extent: United States (USA) - between 90°W and 84°W onshore and offshore - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6345')
```

Replaces NAD83(NSRS2007) / UTM zone 16N.

NAD83(2011) / UTM zone 17N

Extent: United States (USA) - between 84°W and 78°W onshore and offshore - Florida; Georgia; Kentucky; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6346')
```

Replaces NAD83(NSRS2007) / UTM zone 17N.

NAD83(2011) / UTM zone 18N

Extent: United States (USA) - between 78°W and 72°W onshore and offshore - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6347')
```

Replaces NAD83(NSRS2007) / UTM zone 18N.

NAD83(2011) / UTM zone 19N

Extent: United States (USA) - between 72°W and 66°W onshore and offshore - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6348')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6348')
```

Replaces NAD83(NSRS2007) / UTM zone 19N.

NAD83(2011) / UTM zone 1N

Extent: United States (USA) - between 180°W and 174°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6330')
```

Replaces NAD83(NSRS2007) / UTM zone 1N.

NAD83(2011) / UTM zone 2N

Extent: United States (USA) - between 174°W and 168°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6331')
```

Replaces NAD83(NSRS2007) / UTM zone 2N.

NAD83(2011) / UTM zone 3N

Extent: United States (USA) - between 168°W and 162°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6332')
```

Replaces NAD83(NSRS2007) / UTM zone 3N.

NAD83(2011) / UTM zone 4N

Extent: United States (USA) - between 162°W and 156°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6333')
```

Replaces NAD83(NSRS2007) / UTM zone 4N.

NAD83(2011) / UTM zone 59N

Extent: United States (USA) - west of 174°E. Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6328')
```

Replaces NAD83(NSRS2007) / UTM zone 59N.

NAD83(2011) / UTM zone 5N

Extent: United States (USA) - between 156°W and 150°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6334')
```

Replaces NAD83(NSRS2007) / UTM zone 5N.

NAD83(2011) / UTM zone 60N

Extent: United States (USA) - between 174°E and 180°E - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6329')
```

Replaces NAD83(NSRS2007) / UTM zone 60N.

NAD83(2011) / UTM zone 6N

Extent: United States (USA) - between 150°W and 144°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6335')
```

Replaces NAD83(NSRS2007) / UTM zone 6N.

NAD83(2011) / UTM zone 7N

Extent: United States (USA) - between 144°W and 138°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6336')
```

Replaces NAD83(NSRS2007) / UTM zone 7N.

NAD83(2011) / UTM zone 8N

Extent: United States (USA) - between 138°W and 132°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6337')
```

Replaces NAD83(NSRS2007) / UTM zone 8N.

NAD83(2011) / UTM zone 9N

Extent: United States (USA) - between 132°W and 126°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6338')
```

Replaces NAD83(NSRS2007) / UTM zone 9N.

NAD83(2011) / Utah Central

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6619')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6619')
```

State law of 2009 defines use of US survey feet: see CRS code 6525 for definition. An earlier law of 1988 defining use of International foot was withdrawn in 2002. Replaces NAD83(NSRS2007) / Utah Central (CRS code 3675).

NAD83(2011) / Utah Central (ftUS)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6625')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6625')
```

State law of 2009 defines use of US survey feet, an earlier law of 1988 defining use of International foot having been withdrawn in 2002. Federal definition is metric - see CRS code 6619. Replaces NAD83(NSRS2007) / Utah Central (ftUS) (CRS code 3677).

NAD83(2011) / Utah North

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6620')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6620')
```

State law of 2009 defines use of US survey feet: see CRS code 6526 for definition. An earlier law of 1988 defining use of International foot was withdrawn in 2002. Replaces NAD83(NSRS2007) / Utah North (CRS code 3678).

NAD83(2011) / Utah North (ftUS)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6626')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6626')
```

State law of 2009 defines use of US survey feet, an earlier law of 1988 defining use of International foot having been withdrawn in 2002. Federal definition is metric - see CRS code 6620. Replaces NAD83(NSRS2007) / Utah North (ftUS) (CRS code 3680).

NAD83(2011) / Utah South

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6621')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6621')
```

State law of 2009 defines use of US survey feet: see CRS code 6527 for definition. An earlier law of 1988 defining use of International foot was withdrawn in 2002. Replaces NAD83(NSRS2007) / Utah South (CRS code 3681).

NAD83(2011) / Utah South (ftUS)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6627')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6627')
```

State law of 2009 defines use of US survey feet, an earlier law of 1988 defining use of International foot having been withdrawn in 2002. Federal definition is metric - see CRS code 6621. Replaces NAD83(NSRS2007) / Utah South (ftUS) (CRS code 3683).

NAD83(2011) / Vermont

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VERMONT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6589')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VERMONT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6589')
```

State law defines use of US survey feet. See code 6590 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Vermont (CRS code 3684).

NAD83(2011) / Vermont (ftUS)

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VERMONT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6590')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VERMONT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6590')
```

State law defines use of US survey feet. Federal definition is metric - see code 6589. Replaces NAD83(NSRS2007) / Vermont (ftUS) (CRS code 5655).

NAD83(2011) / Virginia Lambert

Extent: United States (USA) - Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6591')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6591')
```

Replaces NAD83(NSRS2007) / Virginia Lambert (CRS code 3970).

NAD83(2011) / Virginia North

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6592')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6592')
```

State law defines use of US survey feet. See code 6593 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Virginia North (CRS code 3685).

NAD83(2011) / Virginia North (ftUS)

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6593')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6593')
```

State law defines use of US survey feet. Federal definition is metric - see code 6592. Replaces NAD83(NSRS2007) / Virginia North (ftUS) (CRS code 3686).

NAD83(2011) / Virginia South

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6594')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6594')
```

State law defines use of US survey feet. See code 6595 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Virginia South (CRS code 3687).

NAD83(2011) / Virginia South (ftUS)

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6595')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6595')
```

State law defines use of US survey feet. Federal definition is metric - see code 6594. NAD83(NSRS2007) / Virginia South (ftUS) (CRS code 3688).

NAD83(2011) / WISCRS Adams and Juneau (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams and Juneau

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7587')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7587')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7528.

NAD83(2011) / WISCRS Adams and Juneau (m)

Extent: United States (USA) - Wisconsin - counties of Adams and Juneau

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7528')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7587.

NAD83(2011) / WISCRS Ashland (ftUS)

Extent: United States (USA) - Wisconsin - Ashland county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7588')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7588')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7529.

NAD83(2011) / WISCRS Ashland (m)

Extent: United States (USA) - Wisconsin - Ashland county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7529')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7588.

NAD83(2011) / WISCRS Barron (ftUS)

Extent: United States (USA) - Wisconsin - Barron county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7589')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7589')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7530.

NAD83(2011) / WISCRS Barron (m)

Extent: United States (USA) - Wisconsin - Barron county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7530')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7589.

NAD83(2011) / WISCRS Bayfield (ftUS)

Extent: United States (USA) - Wisconsin - Bayfield county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7590')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7590')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7531.

NAD83(2011) / WISCRS Bayfield (m)

Extent: United States (USA) - Wisconsin - Bayfield county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7531')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7590.

NAD83(2011) / WISCRS Brown (ftUS)

Extent: United States (USA) - Wisconsin - Brown county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7591')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7591')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7532.

NAD83(2011) / WISCRS Brown (m)

Extent: United States (USA) - Wisconsin - Brown county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7532')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7532')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7591.

NAD83(2011) / WISCRS Buffalo (ftUS)

Extent: United States (USA) - Wisconsin - Buffalo county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7592')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7592')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7533.

NAD83(2011) / WISCRS Buffalo (m)

Extent: United States (USA) - Wisconsin - Buffalo county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7533')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7592.

NAD83(2011) / WISCRS Burnett (ftUS)

Extent: United States (USA) - Wisconsin - Burnett county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BURNETT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7593')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BURNETT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7593')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7534.

NAD83(2011) / WISCRS Burnett (m)

Extent: United States (USA) - Wisconsin - Burnett county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BURNETT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BURNETT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7534')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7593.

NAD83(2011) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (ftUS)

Extent: United States (USA) - Wisconsin - counties of Calumet, Fond du Lac, Outagamie and Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_
↪WINNEBAGO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7594')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_
↪LAC_OUTAGAMIE_AND_WINNEBAGO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7594')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7535.

NAD83(2011) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (m)

Extent: United States (USA) - Wisconsin - counties of Calumet, Fond du Lac, Outagamie and Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_
↪WINNEBAGO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_
↪LAC_OUTAGAMIE_AND_WINNEBAGO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7535')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7594.

NAD83(2011) / WISCRS Chippewa (ftUS)

Extent: United States (USA) - Wisconsin - Chippewa county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7595')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7595')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7536.

NAD83(2011) / WISCRS Chippewa (m)

Extent: United States (USA) - Wisconsin - Chippewa county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7536')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7595.

NAD83(2011) / WISCRS Clark (ftUS)

Extent: United States (USA) - Wisconsin - Clark county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7596')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7596')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7537.

NAD83(2011) / WISCRS Clark (m)

Extent: United States (USA) - Wisconsin - Clark county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7537')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7596.

NAD83(2011) / WISCRS Columbia (ftUS)

Extent: United States (USA) - Wisconsin - Columbia county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7597')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7597')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7538.

NAD83(2011) / WISCRS Columbia (m)

Extent: United States (USA) - Wisconsin - Columbia county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7538')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7597.

NAD83(2011) / WISCRS Crawford (ftUS)

Extent: United States (USA) - Wisconsin - Crawford county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CRAWFORD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7598')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CRAWFORD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7598')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7539.

NAD83(2011) / WISCRS Crawford (m)

Extent: United States (USA) - Wisconsin - Crawford county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CRAWFORD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CRAWFORD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7539')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7598.

NAD83(2011) / WISCRS Dane (ftUS)

Extent: United States (USA) - Wisconsin - Dane county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7599')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7599')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7540.

NAD83(2011) / WISCRS Dane (m)

Extent: United States (USA) - Wisconsin - Dane county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7540')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7599.

NAD83(2011) / WISCRS Dodge and Jefferson (ftUS)

Extent: United States (USA) - Wisconsin - counties of Dodge and Jefferson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_JEFFERSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_
↪JEFFERSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7600')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7541.

NAD83(2011) / WISCRS Dodge and Jefferson (m)

Extent: United States (USA) - Wisconsin - counties of Dodge and Jefferson

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_JEFFERSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7541')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_
↪JEFFERSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7541')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7600.

NAD83(2011) / WISCRS Door (ftUS)

Extent: United States (USA) - Wisconsin - Door county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7601')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7601')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7542.

NAD83(2011) / WISCRS Door (m)

Extent: United States (USA) - Wisconsin - Door county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7542')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7542')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7601.

NAD83(2011) / WISCRS Douglas (ftUS)

Extent: United States (USA) - Wisconsin - Douglas county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7602')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7602')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7543.

NAD83(2011) / WISCRS Douglas (m)

Extent: United States (USA) - Wisconsin - Douglas county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7543')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7543')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7602.

NAD83(2011) / WISCRS Dunn (ftUS)

Extent: United States (USA) - Wisconsin - Dunn county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7603')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7603')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7544.

NAD83(2011) / WISCRS Dunn (m)

Extent: United States (USA) - Wisconsin - Dunn county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7544')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7544')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7603.

NAD83(2011) / WISCRS Eau Claire (ftUS)

Extent: United States (USA) - Wisconsin - Eau Claire county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7604')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7604')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7545.

NAD83(2011) / WISCRS Eau Claire (m)

Extent: United States (USA) - Wisconsin - Eau Claire county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7545')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7545')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7604.

NAD83(2011) / WISCRS Florence (ftUS)

Extent: United States (USA) - Wisconsin - Florence county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7605')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7605')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7546.

NAD83(2011) / WISCRS Florence (m)

Extent: United States (USA) - Wisconsin - Florence county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7546')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7546')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7605.

NAD83(2011) / WISCRS Forest (ftUS)

Extent: United States (USA) - Wisconsin - Forest county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7606')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7606')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7547.

NAD83(2011) / WISCRS Forest (m)

Extent: United States (USA) - Wisconsin - Forest county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7547')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7606.

NAD83(2011) / WISCRS Grant (ftUS)

Extent: United States (USA) - Wisconsin - Grant county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7607')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7607')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7548.

NAD83(2011) / WISCRS Grant (m)

Extent: United States (USA) - Wisconsin - Grant county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7548')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7607.

NAD83(2011) / WISCRS Green Lake and Marquette (ftUS)

Extent: United States (USA) - Wisconsin - counties of Green Lake and Marquette

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_MARQUETTE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7609')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_
↪MARQUETTE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7609')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7550.

NAD83(2011) / WISCRS Green Lake and Marquette (m)

Extent: United States (USA) - Wisconsin - counties of Green Lake and Marquette

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_MARQUETTE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7550')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_
↪MARQUETTE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7550')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7609.

NAD83(2011) / WISCRS Green and Lafayette (ftUS)

Extent: United States (USA) - Wisconsin - counties of Green and Lafayette

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_AND_LAFAYETTE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7608')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_AND_
↪LAFAYETTE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7608')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7549.

NAD83(2011) / WISCRS Green and Lafayette (m)

Extent: United States (USA) - Wisconsin - counties of Green and Lafayette

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_AND_LAFAYETTE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_AND_
↪LAFAYETTE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7549')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7608.

NAD83(2011) / WISCRS Iowa (ftUS)

Extent: United States (USA) - Wisconsin - Iowa county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7610')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7610')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7551.

NAD83(2011) / WISCRS Iowa (m)

Extent: United States (USA) - Wisconsin - Iowa county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7551')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7610.

NAD83(2011) / WISCRS Iron (ftUS)

Extent: United States (USA) - Wisconsin - Iron county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7611')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7611')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7552.

NAD83(2011) / WISCRS Iron (m)

Extent: United States (USA) - Wisconsin - Iron county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7552')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7611.

NAD83(2011) / WISCRS Jackson (ftUS)

Extent: United States (USA) - Wisconsin - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7612')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7612')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7553.

NAD83(2011) / WISCRS Jackson (m)

Extent: United States (USA) - Wisconsin - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7553')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7553')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7612.

NAD83(2011) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (ftUS)

Extent: United States (USA) - Wisconsin - counties of Kenosha, Milwaukee, Ozaukee and Racine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_
↪RACINE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7613')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KENOSHA_MILWAUKEE_
↪OZAUKEE_AND_RACINE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7613')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7554.

NAD83(2011) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (m)

Extent: United States (USA) - Wisconsin - counties of Kenosha, Milwaukee, Ozaukee and Racine

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_
↪RACINE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7554')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KENOSHA_MILWAUKEE_
↪OZAUKEE_AND_RACINE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7554')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7613.

NAD83(2011) / WISCRS Kewaunee, Manitowoc and Sheboygan (ftUS)

Extent: United States (USA) - Wisconsin - counties of Kewaunee, Manitowoc and Sheboygan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_
↪FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7614')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_
↪AND_SHEBOYGAN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7614')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7555.

NAD83(2011) / WISCRS Kewaunee, Manitowoc and Sheboygan (m)

Extent: United States (USA) - Wisconsin - counties of Kewaunee, Manitowoc and Sheboygan

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7555')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_
↪AND_SHEBOYGAN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7555')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7614.

NAD83(2011) / WISCRS La Crosse (ftUS)

Extent: United States (USA) - Wisconsin - La Crosse county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7615')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7615')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7556.

NAD83(2011) / WISCRS La Crosse (m)

Extent: United States (USA) - Wisconsin - La Crosse county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7556')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7556')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7615.

NAD83(2011) / WISCRS Langlade (ftUS)

Extent: United States (USA) - Wisconsin - Langlade county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LANGLADE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7616')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LANGLADE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7616')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7557.

NAD83(2011) / WISCRS Langlade (m)

Extent: United States (USA) - Wisconsin - Langlade county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LANGLADE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7557')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LANGLADE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7557')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7616.

NAD83(2011) / WISCRS Lincoln (ftUS)

Extent: United States (USA) - Wisconsin - Lincoln county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7617')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7617')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7558.

NAD83(2011) / WISCRS Lincoln (m)

Extent: United States (USA) - Wisconsin - Lincoln county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7558')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7558')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7617.

NAD83(2011) / WISCRS Marathon (ftUS)

Extent: United States (USA) - Wisconsin - Marathon county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARATHON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7618')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARATHON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7618')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7559.

NAD83(2011) / WISCRS Marathon (m)

Extent: United States (USA) - Wisconsin - Marathon county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARATHON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARATHON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7559')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7618.

NAD83(2011) / WISCRS Marinette (ftUS)

Extent: United States (USA) - Wisconsin - Marinette county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7619')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7619')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7560.

NAD83(2011) / WISCRS Marinette (m)

Extent: United States (USA) - Wisconsin - Marinette county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7560')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7560')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7619.

NAD83(2011) / WISCRS Menominee (ftUS)

Extent: United States (USA) - Wisconsin - Menominee county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7620')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7620')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7561.

NAD83(2011) / WISCRS Menominee (m)

Extent: United States (USA) - Wisconsin - Menominee county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7561')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7561')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7620.

NAD83(2011) / WISCRS Monroe (ftUS)

Extent: United States (USA) - Wisconsin - Monroe county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MONROE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7621')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MONROE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7621')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7562.

NAD83(2011) / WISCRS Monroe (m)

Extent: United States (USA) - Wisconsin - Monroe county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MONROE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7562')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MONROE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7562')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7621.

NAD83(2011) / WISCRS Oconto (ftUS)

Extent: United States (USA) - Wisconsin - Oconto county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7622')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7622')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7563.

NAD83(2011) / WISCRS Oconto (m)

Extent: United States (USA) - Wisconsin - Oconto county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7563')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7563')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7622.

NAD83(2011) / WISCRS Oneida (ftUS)

Extent: United States (USA) - Wisconsin - Oneida county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7623')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7623')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7564.

NAD83(2011) / WISCRS Oneida (m)

Extent: United States (USA) - Wisconsin - Oneida county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7564')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7564')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7623.

NAD83(2011) / WISCRS Pepin and Pierce (ftUS)

Extent: United States (USA) - Wisconsin - counties of Pepin and Pierce

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PEPIN_AND_PIERCE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7624')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PEPIN_AND_PIERCE_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7624')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7565.

NAD83(2011) / WISCRS Pepin and Pierce (m)

Extent: United States (USA) - Wisconsin - counties of Pepin and Pierce

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PEPIN_AND_PIERCE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7565')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PEPIN_AND_PIERCE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7565')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7624.

NAD83(2011) / WISCRS Polk (ftUS)

Extent: United States (USA) - Wisconsin - Polk county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7625')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7625')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7566.

NAD83(2011) / WISCRS Polk (m)

Extent: United States (USA) - Wisconsin - Polk county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7566')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7566')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7625.

NAD83(2011) / WISCRS Portage (ftUS)

Extent: United States (USA) - Wisconsin - Portage county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PORTAGE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7626')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PORTAGE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7626')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7567.

NAD83(2011) / WISCRS Portage (m)

Extent: United States (USA) - Wisconsin - Portage county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PORTAGE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7567')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PORTAGE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7567')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7626.

NAD83(2011) / WISCRS Price (ftUS)

Extent: United States (USA) - Wisconsin - Price county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7627')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7627')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7568.

NAD83(2011) / WISCRS Price (m)

Extent: United States (USA) - Wisconsin - Price county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7568')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7568')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7627.

NAD83(2011) / WISCRS Richland (ftUS)

Extent: United States (USA) - Wisconsin - Richland county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RICHLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7628')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RICHLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7628')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7569.

NAD83(2011) / WISCRS Richland (m)

Extent: United States (USA) - Wisconsin - Richland county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RICHLAND_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7569')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RICHLAND_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7569')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7628.

NAD83(2011) / WISCRS Rock (ftUS)

Extent: United States (USA) - Wisconsin - Rock county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7629')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7629')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7570.

NAD83(2011) / WISCRS Rock (m)

Extent: United States (USA) - Wisconsin - Rock county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7570')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7570')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7629.

NAD83(2011) / WISCRS Rusk (ftUS)

Extent: United States (USA) - Wisconsin - Rusk county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7630')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7630')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7571.

NAD83(2011) / WISCRS Rusk (m)

Extent: United States (USA) - Wisconsin - Rusk county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7571')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7571')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7630.

NAD83(2011) / WISCRS Sauk (ftUS)

Extent: United States (USA) - Wisconsin - Sauk county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7631')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7631')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7572.

NAD83(2011) / WISCRS Sauk (m)

Extent: United States (USA) - Wisconsin - Sauk county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7572')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7572')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7631.

NAD83(2011) / WISCRS Sawyer (ftUS)

Extent: United States (USA) - Wisconsin - Sawyer county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7632')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7573.

NAD83(2011) / WISCRS Sawyer (m)

Extent: United States (USA) - Wisconsin - Sawyer county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7573')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7573')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7632.

NAD83(2011) / WISCRS Shawano (ftUS)

Extent: United States (USA) - Wisconsin - Shawano county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7633')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7633')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7574.

NAD83(2011) / WISCRS Shawano (m)

Extent: United States (USA) - Wisconsin - Shawano county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7574')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7574')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7633.

NAD83(2011) / WISCRS St. Croix (ftUS)

Extent: United States (USA) - Wisconsin - St. Croix county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7634')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7634')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7575.

NAD83(2011) / WISCRS St. Croix (m)

Extent: United States (USA) - Wisconsin - St. Croix county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7575')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7575')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7634.

NAD83(2011) / WISCRS Taylor (ftUS)

Extent: United States (USA) - Wisconsin - Taylor county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TAYLOR_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7635')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TAYLOR_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7635')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7576.

NAD83(2011) / WISCRS Taylor (m)

Extent: United States (USA) - Wisconsin - Taylor county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TAYLOR_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7576')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TAYLOR_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7576')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7635.

NAD83(2011) / WISCRS Trempealeau (ftUS)

Extent: United States (USA) - Wisconsin - Trempealeau county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7636')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7636')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7577.

NAD83(2011) / WISCRS Trempealeau (m)

Extent: United States (USA) - Wisconsin - Trempealeau county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7577')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7577')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7636.

NAD83(2011) / WISCRS Vernon (ftUS)

Extent: United States (USA) - Wisconsin - Vernon county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7637')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7637')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7578.

NAD83(2011) / WISCRS Vernon (m)

Extent: United States (USA) - Wisconsin - Vernon county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7578')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7578')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7637.

NAD83(2011) / WISCRS Vilas (ftUS)

Extent: United States (USA) - Wisconsin - Vilas county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7638')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7638')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7579.

NAD83(2011) / WISCRS Vilas (m)

Extent: United States (USA) - Wisconsin - Vilas county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7579')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7579')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7638.

NAD83(2011) / WISCRS Walworth (ftUS)

Extent: United States (USA) - Wisconsin - Walworth county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WALWORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7639')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WALWORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7639')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7580.

NAD83(2011) / WISCRS Walworth (m)

Extent: United States (USA) - Wisconsin - Walworth county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WALWORTH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7580')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WALWORTH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7580')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7639.

NAD83(2011) / WISCRS Washburn (ftUS)

Extent: United States (USA) - Wisconsin - Washburn county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHBURN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7640')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHBURN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7640')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7581.

NAD83(2011) / WISCRS Washburn (m)

Extent: United States (USA) - Wisconsin - Washburn county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHBURN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7581')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHBURN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7581')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7640.

NAD83(2011) / WISCRS Washington (ftUS)

Extent: United States (USA) - Wisconsin - Washington county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7641')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7641')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7582.

NAD83(2011) / WISCRS Washington (m)

Extent: United States (USA) - Wisconsin - Washington county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7582')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7582')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7641.

NAD83(2011) / WISCRS Waukesha (ftUS)

Extent: United States (USA) - Wisconsin - Waukesha county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7642')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7642')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7583.

NAD83(2011) / WISCRS Waukesha (m)

Extent: United States (USA) - Wisconsin - Waukesha county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7583')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7583')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7642.

NAD83(2011) / WISCRS Waupaca (ftUS)

Extent: United States (USA) - Wisconsin - Waupaca county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUPACA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7643')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUPACA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7643')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7584.

NAD83(2011) / WISCRS Waupaca (m)

Extent: United States (USA) - Wisconsin - Waupaca county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUPACA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7584')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUPACA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7584')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7643.

NAD83(2011) / WISCRS Waushara (ftUS)

Extent: United States (USA) - Wisconsin - Waushara county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUSHARA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7644')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUSHARA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7644')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7585.

NAD83(2011) / WISCRS Waushara (m)

Extent: United States (USA) - Wisconsin - Waushara county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUSHARA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7585')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUSHARA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7585')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7644.

NAD83(2011) / WISCRS Wood (ftUS)

Extent: United States (USA) - Wisconsin - Wood county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7645')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7645')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Defined in meters - see CRS code 7586.

NAD83(2011) / WISCRS Wood (m)

Extent: United States (USA) - Wisconsin - Wood county

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7586')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7586')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Original definition was referenced to NAD83(HARN). Working units are feet - see CRS code 7645.

NAD83(2011) / Washington North

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6596')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6596')
```

State law defines use of US survey feet. See code 6597 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Washington North (CRS code 3689).

NAD83(2011) / Washington North (ftUS)

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6597')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6597')
```

State law defines use of US survey feet. Federal definition is metric - see code 6596. Replaces NAD83(NSRS2007) / Washington North (ftUS) (CRS code 3690).

NAD83(2011) / Washington South

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6598')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6598')
```

State law defines use of US survey feet. See code 6599 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Washington South (CRS code 3691).

NAD83(2011) / Washington South (ftUS)

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6599')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6599')
```

State law defines use of US survey feet. Federal definition is metric - see code 6598. Replaces NAD83(NSRS2007) / Washington South (ftUS) (CRS code 3692).

NAD83(2011) / West Virginia North

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6600')
```

State law defines system in US survey feet. See CRS code 6601 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / West Virginia North (CRS code 3693).

NAD83(2011) / West Virginia North (ftUS)

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6601')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6601')
```

State law defines use of US survey feet. Federal definition is metric - see code 6600. Replaces NAD83(NSRS2007) / West Virginia North (ftUS) (CRS code 26869).

NAD83(2011) / West Virginia South

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6602')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6602')
```

State law defines system in US survey feet. See CRS code 6603 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / West Virginia South (CRS code 3694).

NAD83(2011) / West Virginia South (ftUS)

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6603')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6603')
```

State law defines use of US survey feet. Federal definition is metric - see code 6602. Replaces NAD83(NSRS2007) / West Virginia South (ftUS) (CRS code 26870).

NAD83(2011) / Wisconsin Central

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6879')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6879')
```

State law defines use of US survey feet. See code 6605 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wisconsin Central (3695).

NAD83(2011) / Wisconsin Central (ftUS)

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6605')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6605')
```

State law defines use of US survey feet. Federal definition is metric - see code 6604. Replaces NAD83(NSRS2007) / Wisconsin Central (ftUS) (CRS code 3696).

NAD83(2011) / Wisconsin North

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6606')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6606')
```

State law defines use of US survey feet. See code 6607 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wisconsin North (CRS code 3697).

NAD83(2011) / Wisconsin North (ftUS)

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6607')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6607')
```

State law defines use of US survey feet. Federal definition is metric - see code 6606. Replaces NAD83(NSRS2007) / Wisconsin North (ftUS) (CRS code 3698).

NAD83(2011) / Wisconsin South

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6608')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6608')
```

State law defines use of US survey feet. See code 6609 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wisconsin South (CRS code 3699).

NAD83(2011) / Wisconsin South (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6609')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6609')
```

State law defines use of US survey feet. Federal definition is metric - see code 6608. Replaces NAD83(NSRS2007) / Wisconsin South (ftUS) (CRS code 3700).

NAD83(2011) / Wisconsin Transverse Mercator

Extent: United States (USA) - Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6610')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_TRANSVERSE_
↪MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6610')
```

Designed as a single zone for the whole state. Replaces NAD83(NSRS2007) / Wisconsin Transverse Mercator (CRS code 3701).

NAD83(2011) / Wyoming East

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6611')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6611')
```

State law defines use of US survey feet. See code 6612 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wyoming East (CRS code 3702).

NAD83(2011) / Wyoming East (ftUS)

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6612')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6612')
```

State law defines use of US survey feet. Federal definition is metric - see code 6611. Replaces NAD83(NSRS2007) / Wyoming East (ftUS) (CRS code 3730).

NAD83(2011) / Wyoming East Central

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6613')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6613')
```

State law defines use of US survey feet. See code 6614 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wyoming East Central (CRS code 3703).

NAD83(2011) / Wyoming East Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6614')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6614')
```

State law defines use of US survey feet. Federal definition is metric - see code 6613. Replaces NAD83(NSRS2007) / Wyoming East Central (ftUS) (CRS code 3731).

NAD83(2011) / Wyoming West

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6615')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6615')
```

State law defines use of US survey feet. See code 6616 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wyoming West (CRS code 3705).

NAD83(2011) / Wyoming West (ftUS)

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6616')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6616')
```

State law defines use of US survey feet. Federal definition is metric - see code 6615. Replaces NAD83(NSRS2007) / Wyoming West (ftUS) (CRS code 3733).

NAD83(2011) / Wyoming West Central

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6617')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6617')
```

State law defines use of US survey feet. See code 6618 for equivalent non-metric definition. Replaces NAD83(NSRS2007) / Wyoming West Central (CRS code 3704).

NAD83(2011) / Wyoming West Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6618')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6618')
```

State law defines use of US survey feet. Federal definition is metric - see code 6617. Replaces NAD83(NSRS2007) / Wyoming West Central (ftUS) (CRS code 3732).

NAD83(CORS96) / Oregon Baker zone (ft)

Extent: United States (USA) - Oregon - Baker City area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6785')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6785')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Baker (m) (CRS code 6784) for metric equivalent. Replaced by NAD83(2011) / Oregon Baker (ft) (CRS code 6787) from 2013-03-08.

NAD83(CORS96) / Oregon Baker zone (m)

Extent: United States (USA) - Oregon - Baker City area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6784')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6784')
```

See NAD83(CORS96) / Oregon Baker (ft) (CRS code 6785) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Baker (m) (CRS code 6786) from 2013-03-08.

NAD83(CORS96) / Oregon Bend-Burns zone (ft)

Extent: United States (USA) - Oregon - Bend-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6797')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6797')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Bend-Burns (m) (CRS code 6796) for metric equivalent. Replaced by NAD83(2011) / Oregon Bend-Burns (ft) (CRS code 6799) from 2013-03-08.

NAD83(CORS96) / Oregon Bend-Burns zone (m)

Extent: United States (USA) - Oregon - Bend-Burns area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6796')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_
↪M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6796')
```

See NAD83(CORS96) / Oregon Bend-Burns (ft) (CRS code 6797) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Bend-Burns (m) (CRS code 6798) from 2013-03-08.

NAD83(CORS96) / Oregon Bend-Klamath Falls zone (ft)

Extent: United States (USA) - Oregon - Bend-Klamath Falls area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_KLAMATH_FALLS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6789')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_KLAMATH_
↪FALLS_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6789')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Bend-Klamath Falls (m) (CRS code 6788) for metric equivalent. Replaced by NAD83(2011) / Oregon Bend-Klamath Falls (ft) (CRS code 6791) from 2013-03-08.

NAD83(CORS96) / Oregon Bend-Klamath Falls zone (m)

Extent: United States (USA) - Oregon - Bend-Klamath Falls area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_KLAMATH_FALLS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6788')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_KLAMATH_
↪FALLS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6788')
```

See NAD83(CORS96) / Oregon Bend-Klamath Falls (ft) (CRS code 6789) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Bend-Klamath Falls (m) (CRS code 6790) from 2013-03-08.

NAD83(CORS96) / Oregon Bend-Redmond-Prineville zone (ft)

Extent: United States (USA) - Oregon - Bend-Redmond-Prineville area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_REDMOND_
↪PRINEVILLE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6793')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Bend-Redmond-Prineville (m) (code 6792) for metric equivalent. Replaced by NAD83(2011) / Oregon Bend-Redmond-Prineville (ft) (code 6795) from 2013-03-08.

NAD83(CORS96) / Oregon Bend-Redmond-Prineville zone (m)

Extent: United States (USA) - Oregon - Bend-Redmond-Prineville area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6792')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_REDMOND_
↪PRINEVILLE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6792')
```

See NAD83(CORS96) / Oregon Bend-Redmond-Prineville (ft) (CRS code 6793) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Bend-Redmond-Prineville (m) (CRS code 6794) from 2013-03-08.

NAD83(CORS96) / Oregon Canyonville-Grants Pass zone (ft)

Extent: United States (USA) - Oregon - Canyonville-Grants Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6801')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_CANYONVILLE_
↪GRANTS_PASS_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6801')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Canyonville-Grants Pass (m) (code 6800) for metric equivalent. Replaced by NAD83(2011) / Oregon Canyonville-Grants Pass (ft) (code 6803) from 2013-03-08.

NAD83(CORS96) / Oregon Canyonville-Grants Pass zone (m)

Extent: United States (USA) - Oregon - Canyonville-Grants Pass area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6800')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_CANYONVILLE_
↪GRANTS_PASS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6800')
```

See NAD83(CORS96) / Oregon Canyonville-Grants Pass (ft) (CRS code 6801) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Canyonville-Grants Pass (m) (CRS code 6802) from 2013-03-08.

NAD83(CORS96) / Oregon Coast zone (ft)

Extent: United States (USA) - Oregon - coastal area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COAST_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6841')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COAST_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6841')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Coast (m) (CRS code 6840) for metric equivalent. Replaced by NAD83(2011) / Oregon Coast (ft) (CRS code 6843) from 2013-03-08.

NAD83(CORS96) / Oregon Coast zone (m)

Extent: United States (USA) - Oregon - coastal area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COAST_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6840')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COAST_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6840')
```

See NAD83(CORS96) / Oregon Coast (ft) (CRS code 6841) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Coast (m) (CRS code 6842) from 2013-03-08.

NAD83(CORS96) / Oregon Columbia River East zone (ft)

Extent: United States (USA) - Oregon - Columbia River area between approximately 122°03'W and 118°53'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_EAST_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6805')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_
↪EAST_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6805')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Columbia River East (m) (code 6804) for metric equivalent. Replaced by NAD83(2011) / Oregon Columbia River East (ft) (CRS code 6807) from 2013-03-08.

NAD83(CORS96) / Oregon Columbia River East zone (m)

Extent: United States (USA) - Oregon - Columbia River area between approximately 122°03'W and 118°53'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_EAST_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6804')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_
↪EAST_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6804')
```

See NAD83(CORS96) / Oregon Columbia River East (ft) (CRS code 6805) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Columbia River East (m) (CRS code 6806) from 2013-03-08.

NAD83(CORS96) / Oregon Columbia River West zone (ft)

Extent: United States (USA) - Oregon - Columbia River area west of approximately 121°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_WEST_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6809')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_
↪WEST_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6809')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Columbia River West (m) (code 6808) for metric equivalent. Replaced by NAD83(2011) / Oregon Columbia River West (ft) (CRS code 6811) from 2013-03-08.

NAD83(CORS96) / Oregon Columbia River West zone (m)

Extent: United States (USA) - Oregon - Columbia River area west of approximately 121°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_WEST_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6808')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_
↪WEST_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6808')
```

See NAD83(CORS96) / Oregon Columbia River West (ft) (CRS code 6809) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Columbia River West (m) (CRS code 6810) from 2013-03-08.

NAD83(CORS96) / Oregon Cottage Grove-Canyonville zone (ft)

Extent: United States (USA) - Oregon - Cottage Grove-Canyonville area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_
↪FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6813')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_
↪CANYONVILLE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6813')
```

State law defines use of International feet (not US survey feet). See NAD83(CORS96) / Oregon Cottage Grove-Canyonville (m) (code 6812) for metric equivalent. Replaced by NAD83(2011) / Oregon Cottage Grove-Canyonville (ft) (code 6815) from 2013-03-08.

NAD83(CORS96) / Oregon Cottage Grove-Canyonville zone (m)

Extent: United States (USA) - Oregon - Cottage Grove-Canyonville area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6812')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_
↪CANYONVILLE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6812')
```

See NAD83(CORS96) / Oregon Cottage Grove-Canyonville (ft) (CRS code 6813) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Cottage Grove-Canyonville (m) (CRS code 6814) from 2013-03-08.

NAD83(CORS96) / Oregon Dufur-Madras zone (ft)

Extent: United States (USA) - Oregon - Dufur-Madras area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_DUFUR_MADRAS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6817')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_DUFUR_MADRAS_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6817')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Dufur-Madras (m) (CRS code 6816) for metric equivalent. Replaced by NAD83(2011) / Oregon Dufur-Madras (ft) (CRS code 6819) from 2013-03-08.

NAD83(CORS96) / Oregon Dufur-Madras zone (m)

Extent: United States (USA) - Oregon - Dufur-Madras area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_DUFUR_MADRAS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6816')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_DUFUR_MADRAS_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6816')
```

See NAD83(CORS96) / Oregon Dufur-Madras (ft) (CRS code 6817) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Dufur-Madras (m) (CRS code 6818) from 2013-03-08.

NAD83(CORS96) / Oregon Eugene zone (ft)

Extent: United States (USA) - Oregon - Eugene area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6821')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6821')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Eugene (m) (CRS code 6820) for metric equivalent. Replaced by NAD83(2011) / Oregon Eugene (ft) (CRS code 6823) from 2013-03-08.

NAD83(CORS96) / Oregon Eugene zone (m)

Extent: United States (USA) - Oregon - Eugene area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6820')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6820')
```

See NAD83(CORS96) / Oregon Eugene (ft) (CRS code 6821) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Eugene (m) (CRS code 6822) from 2013-03-08.

NAD83(CORS96) / Oregon GIC Lambert (ft)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GIC_LAMBERT_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6868')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GIC_LAMBERT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6868')
```

State law defines use of International feet (note: not US survey feet). Replaced by NAD83(2011) / Oregon GIC Lambert (ft) (CRS code 6577).

NAD83(CORS96) / Oregon Grants Pass-Ashland zone (ft)

Extent: United States (USA) - Oregon - Grants Pass-Ashland area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_ASHLAND_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6825')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_
↪ASHLAND_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6825')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Grants Pass-Ashland (m) (CRS code 6824) for metric equivalent. Replaced by NAD83(2011) / Oregon Grants Pass-Ashland (ft) (CRS code 6827) from 2013-03-08.

NAD83(CORS96) / Oregon Grants Pass-Ashland zone (m)

Extent: United States (USA) - Oregon - Grants Pass-Ashland area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_ASHLAND_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6824')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_
↪ASHLAND_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6824')
```

See NAD83(CORS96) / Oregon Grants Pass-Ashland (ft) (CRS code 6825) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Grants Pass-Ashland (m) (CRS code 6826) from 2013-03-08.

NAD83(CORS96) / Oregon Gresham-Warm Springs zone (ft)

Extent: United States (USA) - Oregon - Gresham-Warm Springs area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRESHAM_WARM_SPRINGS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6829')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRESHAM_WARM_
↪SPRINGS_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6829')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Gresham-Warm Springs (m) (CRS code 6828) for metric equivalent. Replaced by NAD83(2011) / Oregon Gresham-Warm Springs (ft) (CRS code 6831) from 2013-03-08.

NAD83(CORS96) / Oregon Gresham-Warm Springs zone (m)

Extent: United States (USA) - Oregon - Gresham-Warm Springs area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRESHAM_WARM_SPRINGS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6828')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRESHAM_WARM_
↪SPRINGS_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6828')
```

See NAD83(CORS96) / Oregon Gresham-Warm Springs (ft) (CRS code 6829) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Gresham-Warm Springs (m) (CRS code 6830) from 2013-03-08.

NAD83(CORS96) / Oregon LCC (m)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LCC_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6867')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LCC_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6867')
```

See CRS code 6868 for non-metric definition used by state agencies. Replaced by NAD83(2011) / Oregon LCC (m) (CRS code 6556).

NAD83(CORS96) / Oregon La Grande zone (ft)

Extent: United States (USA) - Oregon - La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6833')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6833')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon La Grande (m) (CRS code 6832) for metric equivalent. Replaced by NAD83(2011) / Oregon La Grande (ft) (CRS code 6835) from 2013-03-08.

NAD83(CORS96) / Oregon La Grande zone (m)

Extent: United States (USA) - Oregon - La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6832')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6832')
```

See NAD83(CORS96) / Oregon La Grande (ft) (CRS code 6833) for non-metric equivalent. Replaced by NAD83(2011) / Oregon La Grande (m) (CRS code 6834) from 2013-03-08.

NAD83(CORS96) / Oregon North

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6884')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6884')
```

State law defines use of International feet (note: not US survey feet). See CRS code 6885 for equivalent non-metric definition. Replaced by NAD83(2011) / Oregon North (CRS code 6558).

NAD83(CORS96) / Oregon North (ft)

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6885')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6885')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see CRS code 6884. Replaced by NAD83(2011) / Oregon North (ft) (CRS code 6559).

NAD83(CORS96) / Oregon Ontario zone (ft)

Extent: United States (USA) - Oregon - Ontario area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_ONTARIO_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_ONTARIO_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6837')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Ontario (m) (CRS code 6836) for metric equivalent. Replaced by NAD83(2011) / Oregon Ontario (ft) (CRS code 6839) from 2013-03-08.

NAD83(CORS96) / Oregon Ontario zone (m)

Extent: United States (USA) - Oregon - Ontario area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_ONTARIO_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_ONTARIO_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6836')
```

See NAD83(CORS96) / Oregon Ontario (ft) (CRS code 6837) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Ontario (m) (CRS code 6838) from 2013-03-08.

NAD83(CORS96) / Oregon Pendleton zone (ft)

Extent: United States (USA) - Oregon - Pendleton area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6845')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6845')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Pendleton (m) (CRS code 6844) for metric equivalent. Replaced by NAD83(2011) / Oregon Pendleton (ft) (CRS code 6847) from 2013-03-08.

NAD83(CORS96) / Oregon Pendleton zone (m)

Extent: United States (USA) - Oregon - Pendleton area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6844')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6844')
```

See NAD83(CORS96) / Oregon Pendleton (ft) (CRS code 6845) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Pendleton (m) (CRS code 6846) from 2013-03-08.

NAD83(CORS96) / Oregon Pendleton-La Grande zone (ft)

Extent: United States (USA) - Oregon - Pendleton-La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_GRANDE_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_
↪GRANDE_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6849')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Pendleton-La Grande (m) (CRS code 6848) for metric equivalent. Replaced by NAD83(2011) / Oregon Pendleton-La Grande (ft) (CRS code 6851) from 2013-03-08.

NAD83(CORS96) / Oregon Pendleton-La Grande zone (m)

Extent: United States (USA) - Oregon - Pendleton-La Grande area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_GRANDE_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_
↪GRANDE_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6848')
```

See NAD83(CORS96) / Oregon Pendleton-La Grande (ft) (CRS code 6849) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Pendleton-La Grande (m) (CRS code 6850) from 2013-03-08.

NAD83(CORS96) / Oregon Portland zone (ft)

Extent: United States (USA) - Oregon - Portland area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PORTLAND_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6853')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PORTLAND_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6853')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Portland (m) (CRS code 6852) for metric equivalent. Replaced by NAD83(2011) / Oregon Portland (ft) (CRS code 6855) from 2013-03-08.

NAD83(CORS96) / Oregon Portland zone (m)

Extent: United States (USA) - Oregon - Portland area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PORTLAND_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PORTLAND_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6852')
```

See NAD83(CORS96) / Oregon Portland (ft) (CRS code 6853) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Portland (m) (CRS code 6854) from 2013-03-08.

NAD83(CORS96) / Oregon Salem zone (ft)

Extent: United States (USA) - Oregon - Salem area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6857')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Salem (m) (CRS code 6856) for metric equivalent. Replaced by NAD83(2011) / Oregon Salem (ft) (CRS code 6859) from 2013-03-08.

NAD83(CORS96) / Oregon Salem zone (m)

Extent: United States (USA) - Oregon - Salem area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6856')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6856')
```

See NAD83(CORS96) / Oregon Salem (ft) (CRS code 6857) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Salem (m) (CRS code 6858) from 2013-03-08.

NAD83(CORS96) / Oregon Santiam Pass zone (ft)

Extent: United States (USA) - Oregon - Sweet Home-Santiam Pass-Sisters area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_ZONE_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6861')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_
↪ZONE_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6861')
```

State law defines use of International feet (note: not US survey feet). See NAD83(CORS96) / Oregon Santiam Pass (m) (CRS code 6860) for metric equivalent. Replaced by NAD83(2011) / Santiam Pass (ft) (CRS code 6863) from 2013-03-08.

NAD83(CORS96) / Oregon Santiam Pass zone (m)

Extent: United States (USA) - Oregon - Sweet Home-Santiam Pass-Sisters area

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_ZONE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6860')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_
↪ZONE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6860')
```

See NAD83(CORS96) / Oregon Santiam Pass (ft) (CRS code 6861) for non-metric equivalent. Replaced by NAD83(2011) / Oregon Santiam Pass (m) (CRS code 6862) from 2013-03-08.

NAD83(CORS96) / Oregon South

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6886')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6886')
```

State law defines use of International feet (note: not US survey feet). See CRS code 6887 for equivalent non-metric definition. Replaced by NAD83(2011) / Oregon South (CRS code 6560).

NAD83(CORS96) / Oregon South (ft)

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6887')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6887')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see CRS code 6886. Replaced by NAD83(2011) / Oregon South (ft) (CRS code 6561).

NAD83(CORS96) / Puerto Rico and Virgin Is.

Extent: Puerto Rico and US Virgin Islands - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_PUERTO_RICO_AND_VIRGIN_IS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CORS96_PUERTO_RICO_AND_VIRGIN_
↪IS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6307')
```

Replaced by NAD83(2011) / Puerto Rico and Virgin Is. (CRS code 6566).

NAD83(CSRS) / Alberta 10-TM (Forest)

Extent: Canada - Alberta

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_FOREST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3402')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_FOREST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3402')
```

Easting coordinates are always positive in Alberta. For an alternative with easting coordinates that may be either positive or negative, see NAD83(CSRS) / Alberta 10-TM (Resource) (CRS code 3403).

NAD83(CSRS) / Alberta 10-TM (Resource)

Extent: Canada - Alberta

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_RESOURCE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3403')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_RESOURCE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3403')
```

Has negative easting coordinates in western Alberta. For an alternative with positive coordinates see NAD83(CSRS) / Alberta 10-TM (Forest) (CRS code 3402).

NAD83(CSRS) / Alberta 3TM ref merid 111 W

Extent: Canada - Alberta - east of 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_111_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3779')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_111_
↪W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3779')
```

If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83(CSRS) / UTM zone 12N (CRS code 2956) is encouraged in these rural areas.

NAD83(CSRS) / Alberta 3TM ref merid 114 W

Extent: Canada - Alberta - between 115°30'W and 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_114_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_114_
↪W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3780')
```

If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83(CSRS) / UTM zones 11N and 12N (CRS codes 2955 and 2956) is encouraged in these rural areas.

NAD83(CSRS) / Alberta 3TM ref merid 117 W

Extent: Canada - Alberta - between 118°30'W and 115°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_117_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3781')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_117_
↪W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3781')
```

If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83(CSRS) / UTM zone 11N (CRS code 2955) is encouraged in these rural areas.

NAD83(CSRS) / Alberta 3TM ref merid 120 W

Extent: Canada - Alberta - west of 118°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_120_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3802')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_120_
↪W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3802')
```

If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD83(CSRS) / UTM zone 11N (CRS code 2955) encouraged in these rural areas.

NAD83(CSRS) / BC Albers

Extent: Canada - British Columbia

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_BC_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3153')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_BC_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3153')
```

NAD83(CSRS) / Canada Atlas Lambert

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_CANADA_ATLAS_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3979')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_CANADA_ATLAS_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3979')
```

This CRS may sometimes be called “NAD83 / Canada Atlas Lambert”. That is the name of a different system (see CRS code 3978) but at the scales involved the positional difference of under 2 metres may not be significant.

NAD83(CSRS) / EPSG Arctic zone 1-23

Extent: Arctic - between 87°50’N and 82°50’N, approximately 120°W to approximately 60°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_1_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6098')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_1_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6098')
```

NAD83(CSRS) / EPSG Arctic zone 2-14

Extent: Arctic - between 84°30’N and 79°30’N, approximately 135°W to approximately 95°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6099')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6099')
```

NAD83(CSRS) / EPSG Arctic zone 2-16

Extent: Arctic - between 84°30’N and 79°30’N, approximately 95°W to approximately 55°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6100')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6100')
```

NAD83(CSRS) / EPSG Arctic zone 3-25

Extent: Arctic - between 81°10’N and 76°10’N, approximately 144°W to approximately 114°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6101')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6101')
```

NAD83(CSRS) / EPSG Arctic zone 3-27

Extent: Arctic - between 81°10'N and 76°10'N, approximately 114°W to approximately 84°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6102')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6102')
```

NAD83(CSRS) / EPSG Arctic zone 3-29

Extent: Arctic - between 81°10'N and 76°10'N, Canada east of approximately 84°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6103')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6103')
```

NAD83(CSRS) / EPSG Arctic zone 4-14

Extent: Arctic - between 77°50'N and 72°50'N, approximately 141°W to approximately 116°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6104')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6104')
```

NAD83(CSRS) / EPSG Arctic zone 4-16

Extent: Arctic - between 77°50'N and 72°50'N, approximately 116°W to approximately 91°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6105')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6105')
```

NAD83(CSRS) / EPSG Arctic zone 4-18

Extent: Arctic - between 77°50'N and 72°50'N, approximately 91°W to approximately 67°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6106')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6106')
```

NAD83(CSRS) / EPSG Arctic zone 5-33

Extent: Arctic - between 74°30'N and 69°30'N, approximately 141°W to approximately 121°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6107')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6107')
```

NAD83(CSRS) / EPSG Arctic zone 5-35

Extent: Arctic - between 74°30'N and 69°30'N, approximately 121°W to approximately 101°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6108')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6108')
```

NAD83(CSRS) / EPSG Arctic zone 5-37

Extent: Arctic - between 74°30'N and 69°30'N, approximately 101°W to approximately 81°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6109')
```

NAD83(CSRS) / EPSG Arctic zone 5-39

Extent: Arctic - between 74°30'N and 69°30'N, approximately 81°W to approximately 61°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6110')
```

NAD83(CSRS) / EPSG Arctic zone 6-18

Extent: Arctic - between 71°10'N and 66°10'N, approximately 141°W to approximately 122°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6111')
```

NAD83(CSRS) / EPSG Arctic zone 6-20

Extent: Arctic - between 71°10'N and 66°10'N, approximately 122°W to approximately 103°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6112')
```

NAD83(CSRS) / EPSG Arctic zone 6-22

Extent: Arctic - between 71°10'N and 66°10'N, approximately 103°W to approximately 84°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6113')
```

NAD83(CSRS) / EPSG Arctic zone 6-24

Extent: Arctic - between 71°10'N and 66°10'N, approximately 84°W to approximately 65°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6114')
```

NAD83(CSRS) / MTM zone 1

Extent: Canada - Newfoundland - onshore east of 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26898')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26898')
```

NAD83(CSRS) / MTM zone 10

Extent: Canada - Quebec west of 78°W; Canada - Ontario - between 79°30'W and 78°W in area to north of 47°N; between 80°15'W and 78°W in area between 46°N and 47°N; between 81°W and 78°W in area south of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2952')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2952')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 10" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 11

Extent: Canada - Ontario - south of 46°N and west of 81°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26891')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26891')
```

NAD83(CSRS) / MTM zone 12

Extent: Canada - Ontario - between 82°30'W and 79°30'W: north of 46°N in area between 82°30'W and 80°15'W, north of 47°N in area between 80°15'W and 79°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26892')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26892')
```

NAD83(CSRS) / MTM zone 13

Extent: Canada - Ontario - between 85°30'W and 82°30'W and north of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26893')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26893')
```

NAD83(CSRS) / MTM zone 14

Extent: Canada - Ontario - between 88°30'W and 85°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26894')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26894')
```

NAD83(CSRS) / MTM zone 15

Extent: Canada - Ontario - between 91°30'W and 88°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26895')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26895')
```

NAD83(CSRS) / MTM zone 16

Extent: Canada - Ontario - between 94°30'W and 91°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26896')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26896')
```

NAD83(CSRS) / MTM zone 17

Extent: Canada - Ontario - west of 94°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26897')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26897')
```

NAD83(CSRS) / MTM zone 2

Extent: Canada - Newfoundland and Labrador between 57°30'W and 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26899')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26899')
```

NAD83(CSRS) / MTM zone 3

Extent: Canada - Newfoundland and Labrador between 60°W and 57°30'W; Canada - Quebec east of 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2945')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2945')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 3" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 4

Extent: Canada - Quebec and Labrador between 63°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2946')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2946')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 4" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 5

Extent: Canada - Quebec and Labrador between 66°W and 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2947')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2947')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 5" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 6

Extent: Canada - Quebec and Labrador between 69°W and 66°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2948')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2948')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 6" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 7

Extent: Canada - Quebec - between 72°W and 69°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2949')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2949')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 7" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 8

Extent: Canada - Quebec between 75°W and 72°W.; Canada - Ontario - east of 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2950')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2950')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 8" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTM zone 9

Extent: Canada - Quebec and Ontario - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2951')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2951')
```

Known in Quebec as "NAD83(CSRS) / SCoPQ zone 9" with axis 1 and 2 abbreviations of "X" and "Y" respectively.

NAD83(CSRS) / MTQ Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTQ_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3799')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_MTQ_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3799')
```

This CRS may sometimes be called "NAD83 / MTQ Lambert". That is the name of a different system (CRS code 3798). Although the positional differences are not significant for provincial-scale mapping they may be significant for data management.

NAD83(CSRS) / NWT Lambert

Extent: Canada - Northwest Territories onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_NWT_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3581')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_NWT_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3581')
```

This CRS may sometimes be called "NAD83 / NWT Lambert". That is the name of a different system (see CRS code 3580) but at the scales involved the positional difference of under 2 metres may not be significant.

NAD83(CSRS) / New Brunswick Stereographic

Extent: Canada - New Brunswick

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_NEW_BRUNSWICK_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2953')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_NEW_BRUNSWICK_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2953')
```

In use from 1999.

NAD83(CSRS) / Ontario MNR Lambert

Extent: Canada - Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ONTARIO_MNR_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3162')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_ONTARIO_MNR_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3162')
```

One of a number of similar projected CRSs used by Ontario MNR.

NAD83(CSRS) / Prince Edward Isl. Stereographic (NAD83)

Extent: Canada - Prince Edward Island

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_PRINCE_EDWARD_ISL_STEREOGRAPHIC_NAD83)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2954')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_PRINCE_EDWARD_ISL_
↪STEREOGRAPHIC_NAD83)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2954')
```

NAD83(CSRS) / Statistics Canada Lambert

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_STATISTICS_CANADA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_STATISTICS_CANADA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3348')
```

This CRS may sometimes be called “NAD83 / STC Lambert”. That is the name of a different system (see CRS code 3347) but at the scales involved the positional difference of under 2 metres may not be significant.

NAD83(CSRS) / Teranet Ontario Lambert

Extent: Canada - Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_TERANET_ONTARIO_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_TERANET_ONTARIO_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5321')
```

This CRS may sometimes be called "NAD83 / Teranet Ontario Lambert". That is the name of a different system (see CRS code 5320) but at the scales involved the positional difference of under 2 metres may not be significant.

NAD83(CSRS) / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3157')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3157')
```

NAD83(CSRS) / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2955')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2955')
```

In use from 2000.

NAD83(CSRS) / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2956')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2956')
```

In use from 2000.

NAD83(CSRS) / UTM zone 13N

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2957')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2957')
```

In use from 2000.

NAD83(CSRS) / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3158')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3158')
```

NAD83(CSRS) / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3159')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3159')
```

NAD83(CSRS) / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3160')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3160')
```

NAD83(CSRS) / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2958')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2958')
```

In use from 2000.

NAD83(CSRS) / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2959')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2959')
```

In use from 2000.

NAD83(CSRS) / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2960')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2960')
```

In use from 1999.

NAD83(CSRS) / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2961')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2961')
```

In use from 1999.

NAD83(CSRS) / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2962')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2962')
```

In use from 2000.

NAD83(CSRS) / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3761')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3761')
```

NAD83(CSRS) / UTM zone 23N

Extent: Canada offshore Atlantic - 48°W to 42°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9709')
```

NAD83(CSRS) / UTM zone 24N

Extent: Canada offshore Atlantic - east of 42°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9713')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9713')
```

NAD83(CSRS) / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3154')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3154')
```

NAD83(CSRS) / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3155')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3155')
```

NAD83(CSRS) / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3156')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3156')
```

NAD83(CSRS) / Yukon Albers

Extent: Canada - Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_YUKON_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3579')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_YUKON_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3579')
```

This CRS may sometimes be called “NAD83 / Yukon Albers”. That is the name of a different system (see CRS code 3578) but at the scales involved the positional difference of under 2 metres may not be significant.

NAD83(CSRS)v2 / Alberta 3TM ref merid 111 W

Extent: Canada - Alberta - east of 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_111_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_
↪111_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22262')
```

If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83(CSRS)v2 / UTM zone 12N (CRS code 22212) is encouraged in these rural areas.

NAD83(CSRS)v2 / Alberta 3TM ref merid 114 W

Extent: Canada - Alberta - between 115°30'W and 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_114_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22263')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_
↪114_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22263')
```

If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83(CSRS)v2 / UTM zones 11N and 12N (CRS codes 22211 and 22212) is encouraged in these rural areas.

NAD83(CSRS)v2 / Alberta 3TM ref merid 117 W

Extent: Canada - Alberta - between 118°30'W and 115°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_117_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22264')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_
↪117_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22264')
```

If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83(CSRS)v2 / UTM zone 11N (CRS code 22211) is encouraged in these rural areas.

NAD83(CSRS)v2 / Alberta 3TM ref merid 120 W

Extent: Canada - Alberta - west of 118°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_120_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22265')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_
↪120_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22265')
```

If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD83(CSRS)v2 / UTM zone 11N (CRS code 22211) is encouraged in these rural areas.

NAD83(CSRS)v2 / NB Stereographic

Extent: Canada - New Brunswick

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_NB_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_NB_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22240')
```

In use from 1999.

NAD83(CSRS)v2 / PEI Stereographic

Extent: Canada - Prince Edward Island

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_PEI_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22239')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_PEI_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22239')
```

NAD83(CSRS)v2 / Quebec Albers

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6624')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6624')
```

NAD83(CSRS)v2 / Quebec Lambert

Extent: Canada - Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6622')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6622')
```

NAD83(CSRS)v2 / SCoPQ zone 10

Extent: Canada - Quebec - west of 78°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22250')
```

NAD83(CSRS)v2 / SCoPQ zone 3

Extent: Canada - Quebec - east of 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22243')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22243')
```

NAD83(CSRS)v2 / SCoPQ zone 4

Extent: Canada - Quebec - between 63°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22244')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22244')
```

NAD83(CSRS)v2 / SCoPQ zone 5

Extent: Canada - Quebec - between 66°W and 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22245')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22245')
```

NAD83(CSRS)v2 / SCoPQ zone 6

Extent: Canada - Quebec - between 69°W and 66°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22246')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22246')
```

NAD83(CSRS)v2 / SCoPQ zone 7

Extent: Canada - Quebec - between 72°W and 69°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22247')
```

NAD83(CSRS)v2 / SCoPQ zone 8

Extent: Canada - Quebec - between 75°W and 72°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22248')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22248')
```

NAD83(CSRS)v2 / SCoPQ zone 9

Extent: Canada - Quebec - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22249')
```

NAD83(CSRS)v2 / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22210')
```

Adopted by the Canadian federal government in 1998.

NAD83(CSRS)v2 / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22211')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Alberta in 1999.

NAD83(CSRS)v2 / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22212')
```

Adopted by the Canadian federal government in 1998 and the provincial governments of Alberta in 1999 and Saskatchewan in 2000. Note: SK uses zone 13 (CRS code 22213) for province-wide mapping and spatial referencing.

NAD83(CSRS)v2 / UTM zone 13N

Extent: Canada - Saskatchewan, Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22213')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Saskatchewan in 2000. This zone used throughout all SK for province-wide mapping and spatial referencing.

NAD83(CSRS)v2 / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22214')
```

Adopted by the Canadian federal government in 1998 and the provincial governments of Saskatchewan in 2000 and Manitoba in 2001. Note: SK uses zone 13 (CRS code 22213) for province-wide mapping and spatial referencing.

NAD83(CSRS)v2 / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22215')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Manitoba in 2001.

NAD83(CSRS)v2 / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22216')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Manitoba in 2001.

NAD83(CSRS)v2 / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22217')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Quebec in 2004.

NAD83(CSRS)v2 / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22218')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Quebec in 2004.

NAD83(CSRS)v2 / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22219')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22219')
```

Adopted by the Canadian federal government in 1998 and the provincial governments of Quebec in 2004 and New Brunswick in 1999.

NAD83(CSRS)v2 / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22220')
```

Adopted by the Canadian federal government in 1998 and the provincial governments of Quebec in 2004, New Brunswick in 1999 and Prince Edward Island in 2000.

NAD83(CSRS)v2 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22221')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Quebec in 2004.

NAD83(CSRS)v2 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22222')
```

Adopted by the Canadian federal government in 1998.

NAD83(CSRS)v2 / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22207')
```

Adopted by the Canadian federal government in 1998.

NAD83(CSRS)v2 / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22208')
```

Adopted by the Canadian federal government in 1998.

NAD83(CSRS)v2 / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22209')
```

Adopted by the Canadian federal government in 1998.

NAD83(CSRS)v3 / MTM NS 1997 zone 4

Extent: Canada - Nova Scotia - east of 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22338')
```

Replaced by NAD83(CSRS)v6 / MTM NS 2010 zone 4 (code 8082) from 2015.

NAD83(CSRS)v3 / MTM NS 1997 zone 5

Extent: Canada - Nova Scotia - west of 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22337')
```

Replaced by NAD83(CSRS)v6 / MTM NS 2010 zone 5 (code 8083) from 2015.

NAD83(CSRS)v3 / MTM zone 10

Extent: Canada - Ontario - between 81°W and 78°W: south of 46°N in area to west of 80°15'W, south of 47°N in area between 80°15'W and 79°30'W, entire province between 79°30'W and 78°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22350')
```

NAD83(CSRS)v3 / MTM zone 11

Extent: Canada - Ontario - south of 46°N and west of 81°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22351')
```

NAD83(CSRS)v3 / MTM zone 12

Extent: Canada - Ontario - between 82°30'W and 79°30'W: north of 46°N in area between 82°30'W and 80°15'W, north of 47°N in area between 80°15'W and 79°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22352')
```

NAD83(CSRS)v3 / MTM zone 13

Extent: Canada - Ontario - between 85°30'W and 82°30'W and north of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22353')
```

NAD83(CSRS)v3 / MTM zone 14

Extent: Canada - Ontario - between 88°30'W and 85°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22354')
```

NAD83(CSRS)v3 / MTM zone 15

Extent: Canada - Ontario - between 91°30'W and 88°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22355')
```

NAD83(CSRS)v3 / MTM zone 16

Extent: Canada - Ontario - between 94°30'W and 91°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22356')
```

NAD83(CSRS)v3 / MTM zone 17

Extent: Canada - Ontario - west of 94°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22357')
```

NAD83(CSRS)v3 / MTM zone 8

Extent: Canada - Ontario - east of 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22348')
```

NAD83(CSRS)v3 / MTM zone 9

Extent: Canada - Ontario - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22349')
```

NAD83(CSRS)v3 / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22310')
```

Adopted by the Canadian federal government in 2000 and the provincial government of British Columbia for CRD only in 2000 and all Victoria Island in 2005.

NAD83(CSRS)v3 / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22311')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22312')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 13N

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22313')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22314')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22315')
```

Adopted by the Canadian federal government in 2000 and the provincial government of Ontario in 2008.

NAD83(CSRS)v3 / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22316')
```

Adopted by the Canadian federal government in 2000 and the provincial government of Ontario in 2008.

NAD83(CSRS)v3 / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22317')
```

Adopted by the Canadian federal government in 2000 and the provincial government of Ontario in 2008.

NAD83(CSRS)v3 / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22318')
```

Adopted by the Canadian federal government in 2000 and the provincial government of Ontario in 2008.

NAD83(CSRS)v3 / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22319')
```

Adopted by the Canadian federal government in 2000 and the provincial government of Nova Scotia in 2000.

NAD83(CSRS)v3 / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22320')
```

Adopted by the Canadian federal government in 1998 and the provincial government of Nova Scotia in 2000.

NAD83(CSRS)v3 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22321')
```

Adopted by the Canadian federal government in 2000 and the provincial government of Nova Scotia in 2000.

NAD83(CSRS)v3 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22322')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22307')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22308')
```

Adopted by the Canadian federal government in 2000.

NAD83(CSRS)v3 / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22309')
```

Adopted by the Canadian federal government in 2000 and the provincial government of British Columbia for Victoria Island (but not mainland) in 2005.

NAD83(CSRS)v4 / Alberta 3TM ref merid 111 W

Extent: Canada - Alberta - east of 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_111_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_
↪111_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22462')
```

If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83(CSRS)v4 / UTM zone 12N (CRS code 22412) is encouraged in these rural areas.

NAD83(CSRS)v4 / Alberta 3TM ref merid 114 W

Extent: Canada - Alberta - between 115°30'W and 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_114_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_
↪114_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22463')
```

If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83(CSRS)v4 / UTM zones 11N and 12N (CRS codes 22411 and 22412) is encouraged in these rural areas.

NAD83(CSRS)v4 / Alberta 3TM ref merid 117 W

Extent: Canada - Alberta - between 118°30'W and 115°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_117_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22464')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_
↪117_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22464')
```

If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83(CSRS)v4 / UTM zone 11N (CRS code 22411) is encouraged in these rural areas.

NAD83(CSRS)v4 / Alberta 3TM ref merid 120 W

Extent: Canada - Alberta - west of 118°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_120_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22465')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_
↪120_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22465')
```

If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD83(CSRS)v4 / UTM zone 11N (CRS code 22411) is encouraged in these rural areas.

NAD83(CSRS)v4 / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22410')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22410')
```

Adopted by the Canadian federal government in 2002 and the provincial government of British Columbia for mainland only (not Victoria Island) in 2005.

NAD83(CSRS)v4 / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22411')
```

Adopted by the Canadian federal government in 2002 and the provincial governments of British Columbia (for mainland only, not Victoria Island) in 2005 and Alberta in 2004.

NAD83(CSRS)v4 / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22412')
```

Adopted by the Canadian federal government in 2002 and the provincial government of Alberta in 2004.

NAD83(CSRS)v4 / UTM zone 13N

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22413')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22414')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22415')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22416')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22417')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22418')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22419')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22420')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22421')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22422')
```

Adopted by the Canadian federal government in 2002.

NAD83(CSRS)v4 / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22407')
```

Adopted by the Canadian federal government in 2002 and the provincial government of British Columbia for mainland only (not Victoria Island) in 2005.

NAD83(CSRS)v4 / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22408')
```

Adopted by the Canadian federal government in 2002 and the provincial government of British Columbia for mainland only (not Victoria Island) in 2005.

NAD83(CSRS)v4 / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22409')
```

Adopted by the Canadian federal government in 2002 and the provincial government of British Columbia for mainland only (not Victoria Island) in 2005.

NAD83(CSRS)v6 / MTM NS 2010 zone 4

Extent: Canada - Nova Scotia - east of 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8082')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8082')
```

In use from 2015.

NAD83(CSRS)v6 / MTM NS 2010 zone 5

Extent: Canada - Nova Scotia - west of 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8083')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8083')
```

In use from 2015.

NAD83(CSRS)v6 / MTM zone 1

Extent: Canada - Newfoundland - onshore east of 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22641')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22641')
```

NAD83(CSRS)v6 / MTM zone 10

Extent: Canada - Ontario - between 81°W and 78°W: south of 46°N in area to west of 80°15'W, south of 47°N in area between 80°15'W and 79°30'W, entire province between 79°30'W and 78°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22650')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22650')
```

NAD83(CSRS)v6 / MTM zone 11

Extent: Canada - Ontario - south of 46°N and west of 81°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22651')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22651')
```

NAD83(CSRS)v6 / MTM zone 12

Extent: Canada - Ontario - between 82°30'W and 79°30'W: north of 46°N in area between 82°30'W and 80°15'W, north of 47°N in area between 80°15'W and 79°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22652')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22652')
```

NAD83(CSRS)v6 / MTM zone 13

Extent: Canada - Ontario - between 85°30'W and 82°30'W and north of 46°N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22653')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22653')
```

NAD83(CSRS)v6 / MTM zone 14

Extent: Canada - Ontario - between 88°30'W and 85°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22654')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22654')
```

NAD83(CSRS)v6 / MTM zone 15

Extent: Canada - Ontario - between 91°30'W and 88°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22655')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22655')
```

NAD83(CSRS)v6 / MTM zone 16

Extent: Canada - Ontario - between 94°30'W and 91°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22656')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22656')
```

NAD83(CSRS)v6 / MTM zone 17

Extent: Canada - Ontario - west of 94°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22657')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22657')
```

NAD83(CSRS)v6 / MTM zone 2

Extent: Canada - Newfoundland and Labrador between 57°30'W and 54°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22642')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22642')
```

NAD83(CSRS)v6 / MTM zone 3

Extent: Canada - Newfoundland west of 57°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22643')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22643')
```

NAD83(CSRS)v6 / MTM zone 4

Extent: Canada - Labrador between 63°W and 60°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22644')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22644')
```

NAD83(CSRS)v6 / MTM zone 5

Extent: Canada - Labrador - 66°W to 63°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22645')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22645')
```

NAD83(CSRS)v6 / MTM zone 6

Extent: Canada - Labrador - west of 66°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22646')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22646')
```

NAD83(CSRS)v6 / MTM zone 8

Extent: Canada - Ontario - east of 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22648')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22648')
```

NAD83(CSRS)v6 / MTM zone 9

Extent: Canada - Ontario - between 78°W and 75°W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22649')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22649')
```

NAD83(CSRS)v6 / PEI Stereographic

Extent: Canada - Prince Edward Island

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_PEI_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22639')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_PEI_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22639')
```

NAD83(CSRS)v6 / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22610')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22610')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v6 / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22611')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22611')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v6 / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22612')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22612')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v6 / UTM zone 13N

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22613')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22613')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v6 / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22614')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22614')
```

Adopted by the Canadian federal government in 2012 and the provincial government of Manitoba in 2014.

NAD83(CSRS)v6 / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22615')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22615')
```

Adopted by the Canadian federal government in 2012 and the provincial governments of Manitoba in 2014 and Ontario in 2013.

NAD83(CSRS)v6 / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22616')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22616')
```

Adopted by the Canadian federal government in 2012 and the provincial governments of Manitoba in 2014 and Ontario in 2013.

NAD83(CSRS)v6 / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22617')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22617')
```

Adopted by the Canadian federal government in 2012 and the provincial government of Ontario in 2013.

NAD83(CSRS)v6 / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22618')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22618')
```

Adopted by the Canadian federal government in 2012 and the provincial government of Ontario in 2013.

NAD83(CSRS)v6 / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22619')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22619')
```

Adopted by the Canadian federal government in 2012 and the provincial governments of Nova Scotia in 2014 and Newfoundland in 2012.

NAD83(CSRS)v6 / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22620')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22620')
```

Adopted by the Canadian federal government in 2012 and the provincial governments of Prince Edward Island in 2014, Nova Scotia in 2014 and Newfoundland in 2012.

NAD83(CSRS)v6 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22621')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22621')
```

Adopted by the Canadian federal government in 2012 and the provincial governments of Nova Scotia in 2014 and Newfoundland in 2012.

NAD83(CSRS)v6 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22622')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22622')
```

Adopted by the Canadian federal government in 2012 and the provincial government of Newfoundland in 2012.

NAD83(CSRS)v6 / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22607')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22607')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v6 / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22608')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22608')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v6 / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22609')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22609')
```

Adopted by the Canadian federal government in 2012.

NAD83(CSRS)v7 / Alberta 3TM ref merid 111 W

Extent: Canada - Alberta - east of 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_111_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22762')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_
↪111_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22762')
```

If used for rural area control markers, area of use is amended to east of 112°W; however use of NAD83(CSRS)v7 / UTM zone 12N (CRS code 22712) is encouraged in these rural areas.

NAD83(CSRS)v7 / Alberta 3TM ref merid 114 W

Extent: Canada - Alberta - between 115°30'W and 112°30'W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_114_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22763')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_
↪114_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22763')
```

If used for rural area control markers, area of use is amended to between 116°W and 112°W; however use of NAD83(CSRS)v7 / UTM zones 11N and 12N (CRS codes 22711 and 22712) is encouraged in these rural areas.

NAD83(CSRS)v7 / Alberta 3TM ref merid 117 W

Extent: Canada - Alberta - between 118°30'W and 115°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_117_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22764')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_
↪117_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22764')
```

If used for rural area control markers, area of use is amended to between 118°W and 116°W; however use of NAD83(CSRS)v7 / UTM zone 11N (CRS code 22711) is encouraged in these rural areas.

NAD83(CSRS)v7 / Alberta 3TM ref merid 120 W

Extent: Canada - Alberta - west of 118°30' W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_120_W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22765')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_
↪120_W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22765')
```

If used for rural area control markers, area of use is amended to west of 118°W; however use of NAD83(CSRS)v7 / UTM zone 11N (CRS code 22711) is encouraged in these rural areas.

NAD83(CSRS)v7 / PEI Stereographic

Extent: Canada - Prince Edward Island

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_PEI_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22739')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_PEI_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22739')
```

NAD83(CSRS)v7 / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22710')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22710')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22711')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22711')
```

Adopted by the Canadian federal government in 2017 and the provincial government of Alberta in 2021.

NAD83(CSRS)v7 / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22712')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22712')
```

Adopted by the Canadian federal government in 2017 and the provincial government of Alberta in 2021.

NAD83(CSRS)v7 / UTM zone 13N

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22713')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22713')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22714')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22714')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22715')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22715')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22716')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22716')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22717')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22717')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22718')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22718')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22719')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22719')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22720')
```

Adopted by the Canadian federal government in 2017 and the provincial government of Prince Edward Island in 2020.

NAD83(CSRS)v7 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22721')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22721')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22722')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22722')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22707')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22707')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22708')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22708')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v7 / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22709')
```

Adopted by the Canadian federal government in 2017.

NAD83(CSRS)v8 / UTM zone 10N

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22810')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22810')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 11N

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22811')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22811')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 12N

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22812')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22812')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 13N

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22813')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22813')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 14N

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22814')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22814')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 15N

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22815')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22815')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 16N

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22816')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22816')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 17N

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22817')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22817')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 18N

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22818')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22818')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 19N

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22819')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22819')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 20N

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22820')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22820')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 21N

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22821')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22821')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 22N

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22822')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22822')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 7N

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22807')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22807')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 8N

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22808')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22808')
```

Adopted by the Canadian federal government in 2023.

NAD83(CSRS)v8 / UTM zone 9N

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22809')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22809')
```

Adopted by the Canadian federal government in 2023.

NAD83(HARN) / Alabama East

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2759')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2759')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Alabama West

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2760')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2760')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arizona Central

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2762')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2762')
```

State law defines system in International feet (note: not US survey feet). See code 2868 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arizona Central (ft)

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2868')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2868')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2762. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arizona East

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2761')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2761')
```

State law defines system in International feet (note: not US survey feet). See code 2867 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arizona East (ft)

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2867')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2867')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2761. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arizona West

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2763')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2763')
```

State law defines system in International feet (note: not US survey feet). See code 2869 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arizona West (ft)

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2869')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2869')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2763. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arkansas North

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2764')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2764')
```

State law defines system in US survey feet. See code 3441 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arkansas North (ftUS)

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3441')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3441')
```

State law defines system in US survey feet. Federal definition is metric - see code 2764. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arkansas South

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2765')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2765')
```

State law defines system in US survey feet. See code 3442 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Arkansas South (ftUS)

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3442')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3442')
```

State law defines system in US survey feet. Federal definition is metric - see code 2765. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California Albers

Extent: United States (USA) - California

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3311')
```

Replaces NAD83 / California Albers for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / California Albers.

NAD83(HARN) / California zone 1

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2766')
```

State law defines system in US survey feet. See code 2870 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 1 (ftUS)

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2870')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2870')
```

State law defines system in US survey feet. Federal definition is metric - see code 2766. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 2

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2767')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2767')
```

State law defines system in US survey feet. See code 2871 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 2 (ftUS)

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2871')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2871')
```

State law defines system in US survey feet. Federal definition is metric - see code 2767. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 3

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2768')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2768')
```

State law defines system in US survey feet. See code 2872 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 3 (ftUS)

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2872')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2872')
```

State law defines system in US survey feet. Federal definition is metric - see code 2768. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 4

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2769')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2769')
```

State law defines system in US survey feet. See code 2873 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 4 (ftUS)

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2873')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2873')
```

State law defines system in US survey feet. Federal definition is metric - see code 2769. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 5

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2770')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2770')
```

State law defines system in US survey feet. See code 2874 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 5 (ftUS)

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2874')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2874')
```

State law defines system in US survey feet. Federal definition is metric - see code 2770. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 6

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2771')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2771')
```

State law defines system in US survey feet. See code 2875 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / California zone 6 (ftUS)

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2875')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2875')
```

State law defines system in US survey feet. Federal definition is metric - see code 2771. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Colorado Central

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2773')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2773')
```

State law defines system in US survey feet. See code 2877 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Colorado Central (ftUS)

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2877')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2877')
```

State law defines system in US survey feet. Federal definition is metric - see code 2773. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Colorado North

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2772')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2772')
```

State law defines system in US survey feet. See code 2876 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Colorado North (ftUS)

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2876')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2876')
```

State law defines system in US survey feet. Federal definition is metric - see code 2772. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Colorado South

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2774')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2774')
```

State law defines system in US survey feet. See code 2878 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Colorado South (ftUS)

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2878')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2878')
```

State law defines system in US survey feet. Federal definition is metric - see code 2774. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Connecticut

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2775')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2775')
```

State law defines system in US survey feet. See code 2879 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Connecticut (ftUS)

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2879')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2879')
```

State law defines system in US survey feet. Federal definition is metric - see code 2775. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Conus Albers

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONUS_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5071')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_CONUS_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5071')
```

Replaces NAD83 / Conus Albers (CRS code 5070) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Conus Albers (CRS code 5072).

NAD83(HARN) / Delaware

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2776')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2776')
```

State law defines system in US survey feet. See code 2880 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Delaware (ftUS)

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2880')
```

State law defines system in US survey feet. Federal definition is metric - see code 2776. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Florida East

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2777')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2777')
```

State law defines system in US survey feet. See code 2881 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Florida East (ftUS)

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2881')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2881')
```

State law defines system in US survey feet. Federal definition is metric - see code 2777. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Florida GDL Albers

Extent: United States (USA) - Florida

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_GDL_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3087')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_GDL_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3087')
```

Replaces NAD83 / Florida GDL Albers for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Florida GDL Albers.

NAD83(HARN) / Florida North

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2779')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2779')
```

State law defines system in US survey feet. See code 2883 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Florida North (ftUS)

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2883')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2883')
```

State law defines system in US survey feet. Federal definition is metric - see code 2779. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Florida West

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2778')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2778')
```

State law defines system in US survey feet. See code 2882 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Florida West (ftUS)

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2882')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2882')
```

State law defines system in US survey feet. Federal definition is metric - see code 2778. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Georgia East

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2780')
```

State law defines system in US survey feet. See code 2884 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Georgia East (ftUS)

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2884')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2884')
```

State law defines system in US survey feet. Federal definition is metric - see code 2780. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Georgia West

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2781')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2781')
```

State law defines system in US survey feet. See code 2885 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Georgia West (ftUS)

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2885')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2885')
```

State law defines system in US survey feet. Federal definition is metric - see code 2781. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Guam Map Grid

Extent: Guam - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GUAM_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_GUAM_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4414')
```

Replaces Guam 1963 / SPCS (CRS code 3993) from 1995. Guam Public Law 23-31 uses the name "NAD83" for NAD83(HARN). NAD83 is a system realized only in North America and different to NAD83(HARN).

NAD83(HARN) / Hawaii zone 1

Extent: United States (USA) - Hawaii - island of Hawaii - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2782')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2782')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(HARN) / Hawaii zone 2

Extent: United States (USA) - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2783')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2783')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(HARN) / Hawaii zone 3

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2784')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2784')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(HARN) / Hawaii zone 3 (ftUS)

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3760')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3760')
```

State has no law defining grid unit; system therefore not recognised by Federal authorities. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft.

NAD83(HARN) / Hawaii zone 4

Extent: United States (USA) - Hawaii - Kauai - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2785')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2785')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(HARN) / Hawaii zone 5

Extent: United States (USA) - Hawaii - Niihau - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2786')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2786')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(HARN) / Idaho Central

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2788')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2788')
```

State law defines system in US survey feet. See code 2887 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Idaho Central (ftUS)

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2887')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2887')
```

State law defines system in US survey feet. Federal definition is metric - see code 2788. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Idaho East

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2787')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2787')
```

State law defines system in US survey feet. See code 2886 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Idaho East (ftUS)

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2886')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2886')
```

State law defines system in US survey feet. Federal definition is metric - see code 2787. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Idaho West

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2789')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2789')
```

State law defines system in US survey feet. See code 2888 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Idaho West (ftUS)

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2888')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2888')
```

State law defines system in US survey feet. Federal definition is metric - see code 2789. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Illinois East

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2790')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2790')
```

State law defines system in US survey feet. See code 3443 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Illinois East (ftUS)

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3443')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3443')
```

State law defines system in US survey feet. Federal definition is metric - see code 2790. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Illinois West

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2791')
```

State law defines system in US survey feet. See code 3444 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Illinois West (ftUS)

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3444')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3444')
```

State law defines system in US survey feet. Federal definition is metric - see code 2791. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Indiana East

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2792')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2792')
```

State law defines system in US survey feet. See code 2967 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Indiana East (ftUS)

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2967')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2967')
```

State law defines system in US survey feet. Federal definition is metric - see code 2792. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Indiana West

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2793')
```

State law defines system in US survey feet. See code 2968 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Indiana West (ftUS)

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2968')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2968')
```

State law defines system in US survey feet. Federal definition is metric - see code 2793. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Iowa North

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2794')
```

State law defines system in US survey feet. See code 3425 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Iowa North (ftUS)

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3425')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3425')
```

State law defines system in US survey feet. Federal definition is metric - see code 2794. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Iowa South

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2795')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2795')
```

State law defines system in US survey feet. See code 3426 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Iowa South (ftUS)

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3426')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3426')
```

State law defines system in US survey feet. Federal definition is metric - see code 2795. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kansas North

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2796')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2796')
```

State law defines system in US survey feet. See code 3427 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kansas North (ftUS)

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3427')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3427')
```

State law defines system in US survey feet. Federal definition is metric - see code 2796. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kansas South

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2797')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2797')
```

State law defines system in US survey feet. See code 3428 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kansas South (ftUS)

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3428')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3428')
```

State law defines system in US survey feet. Federal definition is metric - see code 2797. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kentucky North

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2798')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2798')
```

State law defines system in US survey feet. See code 2891 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kentucky North (ftUS)

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2891')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2891')
```

State law defines system in US survey feet. Federal definition is metric - see code 2798. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kentucky Single Zone

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3090')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3090')
```

State law defines system in US survey feet. See code 3091 for equivalent non-metric definition. Replaces NAD83 / KY1Z for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / KY1Z.

NAD83(HARN) / Kentucky Single Zone (ftUS)

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3091')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3091')
```

State law defines system in US survey feet. See code 3090 for equivalent metric definition. Replaces NAD83 / KY1Z (ft) for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / KY1Z(ft).

NAD83(HARN) / Kentucky South

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2799')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2799')
```

State law defines system in US survey feet. See code 2892 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Kentucky South (ftUS)

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2892')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2892')
```

State law defines system in US survey feet. Federal definition is metric - see code 2799. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Louisiana North

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2800')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2800')
```

State law defines system in US survey feet. See code 3456 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Louisiana North (ftUS)

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3456')
```

State law defines system in US survey feet. Federal definition is metric - see code 2800. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Louisiana South

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2801')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2801')
```

Not applicable to offshore areas. State law defines system in US survey feet. See code 3457 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Louisiana South (ftUS)

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3457')
```

Not applicable to offshore areas. State law defines system in US survey feet. Federal definition is metric - see code 2801. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine CS2000 Central

Extent: United States (USA) - Maine between approximately 69°40'W and 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence northeasterly along the state line to the intersection of the Fort Kent - Frenchville town line, thence southerly along this town line to the intersection with the New Canada Plantation - T17 R5 WELS town line, thence continuing southerly along town lines to the northeast corner of Penobscot County, thence continuing southerly along the Penobscot County line to the intersection of the Woodville - Mattawamkeag town line (being determined by the Penobscot River), thence along the Penobscot River to the Enfield - Lincoln town line, thence southeasterly along the Enfield - Lincoln town line and the Enfield - Lowell town line to the Passadumkeag - Edinburg town line, thence south-southeasterly along town lines to the intersection of the Hancock County line, thence southerly along the county line to the intersection of the Otis - Mariaville town line, thence southerly along the Otis - Mariaville town line to the Ellsworth city line, thence southerly along the Ellsworth city line to the intersection of the Surry - Trenton town line, thence southerly along the easterly town lines of Surry, Blue Hill, Brooklin, Deer Isle, and Stonington to the Knox County line, thence following the Knox County line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection

of the Sagadahoc - Lincoln county line, thence northerly along the easterly boundary of the Maine 2000 West Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3464')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3464')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine CS2000 East

Extent: United States (USA) - Maine east of approximately 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the Fort Kent - Frenchville town line, thence continuing easterly and then southerly along the state line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Knox and Hancock County line, thence northerly along the easterly boundary of the Maine 2000 Central Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3075')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3075')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine CS2000 West

Extent: United States (USA) - Maine west of approximately 69°40'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence following the Somerset County line Easterly to the Northwest corner of the Somerset and Piscataquis county line, thence Southerly along this county line to the northeast corner of the Athens town line, thence westerly along the town line between Brighton Plantation and Athens to the westerly corner of Athens, and continuing southerly to the southwest corner of the town of Athens where it meets the Cornville town line, thence westerly along the Cornville - Solon town line to the intersection of the Cornville - Madison town line, thence southerly and westerly following the Madison town line to the intersection of the Norridgewock - Skowhegan town line, thence southerly along the Skowhegan town line to the Fairfield town line, thence easterly along the Fairfield town line to the Clinton town line (being determined by the Kennebec River), thence southerly along the Kennebec River to the Augusta city line, thence easterly along the city line to the Windsor town line, thence southerly along the Augusta - Windsor town line to the northwest corner of the Lincoln County line, thence southerly along the westerly Lincoln county line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary on the westerly side of the state to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3077')
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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3077')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine East

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2802')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2802')
```

State law defines system in US survey feet. See code 26855 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine East (ftUS)

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26855')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26855')
```

State law defines use of US survey feet. Federal definition is metric - see code 2802. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine West

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2803')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2803')
```

State law defines system in US survey feet. See code 26856 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maine West (ftUS)

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26856')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26856')
```

State law defines use of US survey feet. Federal definition is metric - see code 2803. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maryland

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2804')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2804')
```

State law defines system in US survey feet. See code 2893 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Maryland (ftUS)

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2893')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2893')
```

State law defines system in US survey feet. Federal definition is metric - see code 2804. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Massachusetts Island

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2806')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2806')
```

State law defines system in US survey feet. See code 2895 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Massachusetts Island (ftUS)

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2895')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2895')
```

State law defines system in US survey feet. Federal definition is metric - see code 2806. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Massachusetts Mainland

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2805')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2805')
```

State law defines system in US survey feet. See code 2894 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Massachusetts Mainland (ftUS)

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2894')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND_
```

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↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2894')
```

State law defines system in US survey feet. Federal definition is metric - see code 2805. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Michigan Central

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2808')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2808')
```

State law defines system in International feet (note: not US survey feet). See code 2897 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Michigan Central (ft)

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2897')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2897')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2808. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Michigan North

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2807')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2807')
```

State law defines system in International feet (note: not US survey feet). See code 2896 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Michigan North (ft)

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2896')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2896')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2807. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Michigan Oblique Mercator

Extent: United States (USA) - Michigan

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_OBLIQUE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3079')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_OBLIQUE_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3079')
```

Replaces NAD83 / Michigan Oblique Mercator for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Michigan Oblique Mercator.

NAD83(HARN) / Michigan South

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2809')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2809')
```

State law defines system in International feet (note: not US survey feet). See code 2898 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Michigan South (ft)

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2898')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2898')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2809. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Minnesota Central

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2811')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2811')
```

State law defines system in US survey feet. See code 26858 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Minnesota Central (ftUS)

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26858')
```

State law defines use of US survey feet. Federal definition is metric - see code 2811. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Minnesota North

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2810')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2810')
```

State law defines system in US survey feet. See code 26857 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Minnesota North (ftUS)

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26857')
```

State law defines use of US survey feet. Federal definition is metric - see code 2810. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Minnesota South

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2812')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2812')
```

State law defines system in US survey feet. See code 26859 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Minnesota South (ftUS)

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26859')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26859')
```

State law defines use of US survey feet. Federal definition is metric - see code 2812. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Mississippi East

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2813')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2813')
```

State law defines system in US survey feet. See code 2899 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Mississippi East (ftUS)

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2899')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2899')
```

State law defines system in US survey feet. Federal definition is metric - see code 2813. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Mississippi TM

Extent: United States (USA) - Mississippi

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3815')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3815')
```

For applications with an accuracy of better than 1m, replaced by NAD83 / Mississippi TM (code 3814). Replaced by NAD83(CSRS2007) / Mississippi TM (CRS code 3816).

NAD83(HARN) / Mississippi West

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2814')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2814')
```

State law defines system in US survey feet. See code 2900 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Mississippi West (ftUS)

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2900')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2900')
```

State law defines system in US survey feet. Federal definition is metric - see code 2814. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Missouri Central

Extent: United States (USA) - Missouri - counties of Adair; Audrain; Benton; Boone; Callaway; Camden; Carroll; Chariton; Christian; Cole; Cooper; Dallas; Douglas; Greene; Grundy; Hickory; Howard; Howell; Knox; Laclede; Linn; Livingston; Macon; Maries; Mercer; Miller; Moniteau; Monroe; Morgan; Osage; Ozark; Pettis; Phelps; Polk; Pulaski; Putnam; Randolph; Saline; Schuyler; Scotland; Shelby; Stone; Sullivan; Taney; Texas; Webster; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2816')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2816')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Missouri East

Extent: United States (USA) - Missouri - counties of Bollinger; Butler; Cape Girardeau; Carter; Clark; Crawford; Dent; Dunklin; Franklin; Gasconade; Iron; Jefferson; Lewis; Lincoln; Madison; Marion; Mississippi; Montgomery; New Madrid; Oregon; Pemiscot; Perry; Pike; Ralls; Reynolds; Ripley; Scott; Shannon; St Charles; St Francois; St Louis; Ste. Genevieve; Stoddard; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2815')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2815')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Missouri West

Extent: United States (USA) - Missouri - counties of Andrew; Atchison; Barry; Barton; Bates; Buchanan; Caldwell; Cass; Cedar; Clay; Clinton; Dade; Daviess; De Kalb; Gentry; Harrison; Henry; Holt; Jackson; Jasper; Johnson; Lafayette; Lawrence; McDonald; Newton; Nodaway; Platte; Ray; St Clair; Vernon; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2817')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2817')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Montana

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2818')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2818')
```

State law defines system in International feet (note: not US survey feet). See code 2901 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Montana (ft)

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2901')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2901')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2818. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nebraska

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2819')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2819')
```

State law defines system in US survey feet. See CRS code 26860 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nebraska (ftUS)

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26860')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26860')
```

State law defines use of US survey feet. Federal definition is metric - see code 2819. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nevada Central

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2821')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2821')
```

State law defines system in US survey feet. See code 3430 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nevada Central (ftUS)

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3430')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3430')
```

State law defines system in US survey feet. Federal definition is metric - see code 2821. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nevada East

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2820')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2820')
```

State law defines system in US survey feet. See code 3429 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nevada East (ftUS)

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3429')
```

State law defines system in US survey feet. Federal definition is metric - see code 2820. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nevada West

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2822')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2822')
```

State law defines system in US survey feet. See code 3431 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Nevada West (ftUS)

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3431')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3431')
```

State law defines system in US survey feet. Federal definition is metric - see code 2822. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Hampshire

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2823')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2823')
```

State law defines system in US survey feet. See code 3445 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Hampshire (ftUS)

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3445')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3445')
```

State law defines system in US survey feet. Federal definition is metric - see code 2823. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Jersey

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2824')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2824')
```

State law defines system in US survey feet. See code 3432 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Jersey (ftUS)

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3432')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3432')
```

State law defines system in US survey feet. Federal definition is metric - see code 2824. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Mexico Central

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2826')
```

State law defines system in US survey feet. See code 2903 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Mexico Central (ftUS)

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2903')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2903')
```

State law defines system in US survey feet. Federal definition is metric - see code 2826. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Mexico East

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2825')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2825')
```

State law defines system in US survey feet. See code 2902 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Mexico East (ftUS)

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2902')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2902')
```

State law defines system in US survey feet. Federal definition is metric - see code 2825. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Mexico West

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2827')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2827')
```

State law defines system in US survey feet. See code 2904 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New Mexico West (ftUS)

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2904')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2904')
```

State law defines system in US survey feet. Federal definition is metric - see code 2827. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York Central

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2829')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2829')
```

State law defines system in US survey feet. See code 2906 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York Central (ftUS)

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2906')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2906')
```

State law defines system in US survey feet. Federal definition is metric - see code 2829. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York East

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2828')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2828')
```

State law defines system in US survey feet. See code 2905 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York East (ftUS)

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2905')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2905')
```

State law defines system in US survey feet. Federal definition is metric - see code 2828. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York Long Island

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2831')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2831')
```

State law defines system in US survey feet. See code 2908 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York Long Island (ftUS)

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2908')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2908')
```

State law defines system in US survey feet. Federal definition is metric - see code 2831. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York West

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2830')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2830')
```

State law defines system in US survey feet. See code 2907 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / New York West (ftUS)

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2907')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2907')
```

State law defines system in US survey feet. Federal definition is metric - see code 2830. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / North Carolina

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3358')
```

State law defines system in US survey feet. See CRS code 3404 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / North Carolina (ftUS)

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3404')
```

State law defines system in US survey feet. Federal definition is metric - see CRS code 3358. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / North Dakota North

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2832')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2832')
```

State law defines system in International feet (note: not US survey feet). See code 2909 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / North Dakota North (ft)

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2909')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2909')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2832. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / North Dakota South

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2833')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2833')
```

State law defines system in International feet (note: not US survey feet). See code 2910 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / North Dakota South (ft)

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2910')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2910')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2833. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Ohio North

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2834')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2834')
```

State law defines use of US survey feet. See code 3753 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Ohio North (ftUS)

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3753')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3753')
```

State law defines use of US survey feet. Federal definition is metric - see code 2834. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Ohio South

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2835')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2835')
```

State law defines use of US survey feet. See code 3754 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Ohio South (ftUS)

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3754')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3754')
```

State law defines use of US survey feet. Federal definition is metric - see code 2835. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oklahoma North

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2836')
```

State law defines system in US survey feet. See code 2911 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oklahoma North (ftUS)

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2911')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2911')
```

State law defines system in US survey feet. Federal definition is metric - see code 2836. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oklahoma South

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2837')
```

State law defines system in US survey feet. See code 2912 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oklahoma South (ftUS)

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2912')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2912')
```

State law defines system in US survey feet. Federal definition is metric - see code 2837. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oregon GIC Lambert (ft)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_GIC_LAMBERT_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2994')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_GIC_LAMBERT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2994')
```

State law defines use of International feet (note: not US survey feet). Replaces NAD83 / Oregon GIC Lambert (ft) (CRS code 2992) for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / Oregon GIC Lambert (ft) (code 3644).

NAD83(HARN) / Oregon LCC (m)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_LCC_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2993')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_LCC_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2993')
```

See CRS code 2994 for non-metric definition used by state agencies. Replaces NAD83 / Oregon LCC (m) (CRS code 2991) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Oregon LCC (m) (CRS code 3643).

NAD83(HARN) / Oregon North

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2838')
```

State law defines system in International feet (note: not US survey feet). See code 2913 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oregon North (ft)

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2913')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2913')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2838. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oregon South

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2839')
```

State law defines system in International feet (note: not US survey feet). See code 2914 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Oregon South (ft)

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2914')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2914')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2839. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Pennsylvania North

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3362')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3362')
```

State law defines system in US survey feet. See code 3363 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Pennsylvania North (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3363')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3363')
```

State law defines system in US survey feet. Federal definition is metric - see code 3362. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Pennsylvania South

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3364')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3364')
```

State law defines system in US survey feet. See code 3365 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Pennsylvania South (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3365')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3365')
```

State law defines system in US survey feet. Federal definition is metric - see code 3364. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Puerto Rico and Virgin Is.

Extent: Puerto Rico and US Virgin Islands - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PUERTO_RICO_AND_VIRGIN_IS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2866')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_PUERTO_RICO_AND_VIRGIN_IS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2866')
```

Replaces NAD83 / SPCS (CRS code 32161) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS (CRS code 4437).

NAD83(HARN) / Rhode Island

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2840')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2840')
```

State law defines system in US survey feet. See code 3446 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Rhode Island (ftUS)

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3446')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3446')
```

State law defines system in US survey feet. Federal definition is metric - see code 2840. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / South Carolina

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3360')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3360')
```

State law defines system in International feet (note: not US survey feet). See code 3361 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / South Carolina (ft)

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3361')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3361')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 3360. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / South Dakota North

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2841')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2841')
```

State law defines system in US survey feet. See code 3458 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / South Dakota North (ftUS)

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3458')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3458')
```

State law defines system in US survey feet. Federal definition is metric - see code 2841. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / South Dakota South

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2842')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2842')
```

State law defines system in US survey feet. See code 3459 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / South Dakota South (ftUS)

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3459')
```

State law defines system in US survey feet. Federal definition is metric - see code 2842. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Tennessee

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2843')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2843')
```

State law defines system in US survey feet. See code 2915 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Tennessee (ftUS)

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2915')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2915')
```

State law defines system in US survey feet. Federal definition is metric - see code 2843. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas Central

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2846')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2846')
```

State law defines system in US survey feet. See code 2918 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas Central (ftUS)

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2918')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2918')
```

State law defines system in US survey feet. Federal definition is metric - see code 2846. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas Centric Albers Equal Area

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3085')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_ALBERS_
↪EQUAL_AREA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3085')
```

Replaces NAD83 / TX Albers (code 3083) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / TX Albers (code 3665). For state-wide spatial data presentation requiring shape preservation use NAD83(HARN) / TX LC (code 3084).

NAD83(HARN) / Texas Centric Lambert Conformal

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_LAMBERT_CONFORMAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3084')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_LAMBERT_
↪CONFORMAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3084')
```

Replaces NAD83 / TX LC (code 3082) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / TX LC (code 3666). For state-wide spatial data presentation requiring true area measurements use NAD83(HARN) / TX Albers (code 3085).

NAD83(HARN) / Texas North

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2844')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2844')
```

State law defines system in US survey feet. See code 2916 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas North (ftUS)

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2916')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2916')
```

State law defines system in US survey feet. Federal definition is metric - see code 2844. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas North Central

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2845')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2845')
```

State law defines system in US survey feet. See code 2917 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas North Central (ftUS)

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2917')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2917')
```

State law defines system in US survey feet. Federal definition is metric - see code 2845. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas South

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2848')
```

State law defines system in US survey feet. See code 2920 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas South (ftUS)

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2920')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2920')
```

State law defines system in US survey feet. Federal definition is metric - see code 2848. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas South Central

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2847')
```

State law defines system in US survey feet. See code 2919 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Texas South Central (ftUS)

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2919')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2919')
```

State law defines system in US survey feet. Federal definition is metric - see code 2847. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Not applicable to offshore areas. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / UTM zone 10N

Extent: United States (USA) - between 126°W and 120°W - onshore - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3740')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3740')
```

Replaces NAD83 / UTM zone 10N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 10N.

NAD83(HARN) / UTM zone 11N

Extent: United States (USA) - between 120°W and 114°W - onshore - Arizona; California; Idaho; Montana; Nevada; Oregon; Utah; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3741')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3741')
```

Replaces NAD83 / UTM zone 11N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 11N.

NAD83(HARN) / UTM zone 12N

Extent: United States (USA) - between 114°W and 108°W - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3742')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3742')
```

Replaces NAD83 / UTM zone 12N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 12N.

NAD83(HARN) / UTM zone 13N

Extent: United States (USA) - between 108°W and 102°W - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3743')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3743')
```

Replaces NAD83 / UTM zone 13N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 13N.

NAD83(HARN) / UTM zone 14N

Extent: United States (USA) - between 102°W and 96°W - onshore - Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3744')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3744')
```

Replaces NAD83 / UTM zone 14N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 14N.

NAD83(HARN) / UTM zone 15N

Extent: United States (USA) - between 96°W and 90°W - onshore - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3745')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3745')
```

Replaces NAD83 / UTM zone 15N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 15N.

NAD83(HARN) / UTM zone 16N

Extent: United States (USA) - between 90°W and 84°W - onshore - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3746')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3746')
```

Replaces NAD83 / UTM zone 16N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 16N.

NAD83(HARN) / UTM zone 17N

Extent: United States (USA) - between 84°W and 78°W - onshore - Florida; Georgia; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3747')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3747')
```

Replaces NAD83 / UTM zone 17N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 17N.

NAD83(HARN) / UTM zone 18N

Extent: United States (USA) - between 78°W and 72°W - onshore - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3748')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3748')
```

Replaces NAD83 / UTM zone 18N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 18N.

NAD83(HARN) / UTM zone 19N

Extent: United States (USA) - between 72°W and 66°W - onshore - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3749')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3749')
```

Replaces NAD83 / UTM zone 19N for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / UTM zone 19N.

NAD83(HARN) / UTM zone 2S

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_2S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2195')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_2S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2195')
```

Replaces American Samoa 1962 / American Samoa Lambert (projCRS 3102) effective from 2000.

NAD83(HARN) / UTM zone 4N

Extent: United States (USA) - between 162°W and 156°W onshore - Hawaii

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3750')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3750')
```

NAD83(HARN) / UTM zone 5N

Extent: United States (USA) - between 156°W and 150°W onshore - Hawaii

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3751')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3751')
```

NAD83(HARN) / Utah Central

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2850')
```

State law of 2009 defines system in US survey feet: see CRS code 3569. State law of 1988 defining International feet was withdrawn in 2001. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah Central (ft)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2922')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2922')
```

1988 state law defining system in International feet withdrawn 2001, replaced in 2009 by ftUS. Federal definition is metric: see CRS code 2850. Replaces NAD83 / SPCS for applications of an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah Central (ftUS)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3569')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3569')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2850. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah North

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2849')
```

State law of 2009 defines system in US survey feet: see CRS code 3568. State law of 1988 defining International feet was withdrawn in 2001. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah North (ft)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2921')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2921')
```

1988 state law defining system in International feet withdrawn 2001, replaced in 2009 by ftUS. Federal definition is metric: see CRS code 2849. Replaces NAD83 / SPCS for applications of an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah North (ftUS)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3568')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3568')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2849. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah South

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2851')
```

State law of 2009 defines system in US survey feet: see CRS code 3570. State law of 1988 defining International feet was withdrawn in 2001. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah South (ft)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2923')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2923')
```

1988 state law defining system in International feet withdrawn 2001, replaced in 2009 by ftUS. Federal definition is metric: see CRS code 2851. Replaces NAD83 / SPCS for applications of an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Utah South (ftUS)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3570')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3570')
```

State law defines system in International feet (note: not US survey feet). Federal definition is metric - see code 2851. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Vermont

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2852')
```

State law defines system in US survey feet. See code 5654 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Vermont (ftUS)

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5654')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5654')
```

State law defines system in US survey feet. Federal definition is metric - see code 2852. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Virginia Lambert

Extent: United States (USA) - Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3969')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3969')
```

Replaces NAD83 / Virginia Lambert (CRS code 3968) for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Virginia Lambert (CRS code 3970).

NAD83(HARN) / Virginia North

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2853')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2853')
```

State law defines system in US survey feet. See code 2924 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Virginia North (ftUS)

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2924')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2924')
```

State law defines system in US survey feet. Federal definition is metric - see code 2853. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Virginia South

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2854')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2854')
```

State law defines system in US survey feet. See code 2925 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Virginia South (ftUS)

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2925')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2925')
```

State law defines system in US survey feet. Federal definition is metric - see code 2854. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / WISCRS Adams and Juneau (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams and Juneau

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8226')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8226')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8225.

NAD83(HARN) / WISCRS Adams and Juneau (m)

Extent: United States (USA) - Wisconsin - counties of Adams and Juneau

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8225')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8226.

NAD83(HARN) / WISCRS Ashland (ftUS)

Extent: United States (USA) - Wisconsin - Ashland county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8224')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8222.

NAD83(HARN) / WISCRS Ashland (m)

Extent: United States (USA) - Wisconsin - Ashland county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8222')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8224.

NAD83(HARN) / WISCRS Barron (ftUS)

Extent: United States (USA) - Wisconsin - Barron county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8220')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8218.

NAD83(HARN) / WISCRS Barron (m)

Extent: United States (USA) - Wisconsin - Barron county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8218')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8220.

NAD83(HARN) / WISCRS Bayfield (ftUS)

Extent: United States (USA) - Wisconsin - Bayfield county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8216')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8214.

NAD83(HARN) / WISCRS Bayfield (m)

Extent: United States (USA) - Wisconsin - Bayfield county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8214')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8216.

NAD83(HARN) / WISCRS Brown (ftUS)

Extent: United States (USA) - Wisconsin - Brown county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8213')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8212.

NAD83(HARN) / WISCRS Brown (m)

Extent: United States (USA) - Wisconsin - Brown county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8212')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8213.

NAD83(HARN) / WISCRS Buffalo (ftUS)

Extent: United States (USA) - Wisconsin - Buffalo county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8210')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8209.

NAD83(HARN) / WISCRS Buffalo (m)

Extent: United States (USA) - Wisconsin - Buffalo county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8209')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8210.

NAD83(HARN) / WISCRS Burnett (ftUS)

Extent: United States (USA) - Wisconsin - Burnett county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BURNETT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BURNETT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8208')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8207.

NAD83(HARN) / WISCRS Burnett (m)

Extent: United States (USA) - Wisconsin - Burnett county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BURNETT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BURNETT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8207')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8208.

NAD83(HARN) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (ftUS)

Extent: United States (USA) - Wisconsin - counties of Calumet, Fond du Lac, Outagamie and Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_
↪WINNEBAGO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8206')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_
↪LAC_OUTAGAMIE_AND_WINNEBAGO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8206')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8205.

NAD83(HARN) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (m)

Extent: United States (USA) - Wisconsin - counties of Calumet, Fond du Lac, Outagamie and Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_
↪WINNEBAGO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8205')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_
↪LAC_OUTAGAMIE_AND_WINNEBAGO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8205')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8206.

NAD83(HARN) / WISCRS Chippewa (ftUS)

Extent: United States (USA) - Wisconsin - Chippewa county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8204')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8204')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8203.

NAD83(HARN) / WISCRS Chippewa (m)

Extent: United States (USA) - Wisconsin - Chippewa county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8203')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8203')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8204.

NAD83(HARN) / WISCRS Clark (ftUS)

Extent: United States (USA) - Wisconsin - Clark county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8202')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8202')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8201.

NAD83(HARN) / WISCRS Clark (m)

Extent: United States (USA) - Wisconsin - Clark county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8201')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8201')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8202.

NAD83(HARN) / WISCRS Columbia (ftUS)

Extent: United States (USA) - Wisconsin - Columbia county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_COLUMBIA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8200')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_COLUMBIA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8200')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8198.

NAD83(HARN) / WISCRS Columbia (m)

Extent: United States (USA) - Wisconsin - Columbia county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_COLUMBIA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8198')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_COLUMBIA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8198')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8200.

NAD83(HARN) / WISCRS Crawford (ftUS)

Extent: United States (USA) - Wisconsin - Crawford county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8197')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8197')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8196.

NAD83(HARN) / WISCRS Crawford (m)

Extent: United States (USA) - Wisconsin - Crawford county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8196')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8196')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8197.

NAD83(HARN) / WISCRS Dane (ftUS)

Extent: United States (USA) - Wisconsin - Dane county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8193')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8191.

NAD83(HARN) / WISCRS Dane (m)

Extent: United States (USA) - Wisconsin - Dane county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8191')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8193.

NAD83(HARN) / WISCRS Dodge and Jefferson (ftUS)

Extent: United States (USA) - Wisconsin - counties of Dodge and Jefferson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_JEFFERSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8189')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_
↪JEFFERSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8189')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8187.

NAD83(HARN) / WISCRS Dodge and Jefferson (m)

Extent: United States (USA) - Wisconsin - counties of Dodge and Jefferson

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_JEFFERSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8187')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_
↪JEFFERSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8187')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8189.

NAD83(HARN) / WISCRS Door (ftUS)

Extent: United States (USA) - Wisconsin - Door county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8185')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8185')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8184.

NAD83(HARN) / WISCRS Door (m)

Extent: United States (USA) - Wisconsin - Door county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8184')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8184')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8185.

NAD83(HARN) / WISCRS Douglas (ftUS)

Extent: United States (USA) - Wisconsin - Douglas county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8182')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8182')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8181.

NAD83(HARN) / WISCRS Douglas (m)

Extent: United States (USA) - Wisconsin - Douglas county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8181')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8181')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8182.

NAD83(HARN) / WISCRS Dunn (ftUS)

Extent: United States (USA) - Wisconsin - Dunn county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8180')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8180')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8179.

NAD83(HARN) / WISCRS Dunn (m)

Extent: United States (USA) - Wisconsin - Dunn county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8179')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8179')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8180.

NAD83(HARN) / WISCRS Eau Claire (ftUS)

Extent: United States (USA) - Wisconsin - Eau Claire county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8093')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8093')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8092.

NAD83(HARN) / WISCRS Eau Claire (m)

Extent: United States (USA) - Wisconsin - Eau Claire county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8092')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8092')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8093.

NAD83(HARN) / WISCRS Florence (ftUS)

Extent: United States (USA) - Wisconsin - Florence county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8091')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8091')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8090.

NAD83(HARN) / WISCRS Florence (m)

Extent: United States (USA) - Wisconsin - Florence county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8090')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8090')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8091.

NAD83(HARN) / WISCRS Forest (ftUS)

Extent: United States (USA) - Wisconsin - Forest county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8177')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8177')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8173.

NAD83(HARN) / WISCRS Forest (m)

Extent: United States (USA) - Wisconsin - Forest county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8173')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8173')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8177.

NAD83(HARN) / WISCRS Grant (ftUS)

Extent: United States (USA) - Wisconsin - Grant county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8172')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8172')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8171.

NAD83(HARN) / WISCRS Grant (m)

Extent: United States (USA) - Wisconsin - Grant county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8171')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8172.

NAD83(HARN) / WISCRS Green Lake and Marquette (ftUS)

Extent: United States (USA) - Wisconsin - counties of Green Lake and Marquette

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_MARQUETTE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8168')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_
↪MARQUETTE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8168')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8167.

NAD83(HARN) / WISCRS Green Lake and Marquette (m)

Extent: United States (USA) - Wisconsin - counties of Green Lake and Marquette

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_MARQUETTE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8167')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_
↪MARQUETTE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8167')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8168.

NAD83(HARN) / WISCRS Green and Lafayette (ftUS)

Extent: United States (USA) - Wisconsin - counties of Green and Lafayette

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_AND_LAFAYETTE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8170')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_AND_
↪LAFAYETTE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8170')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8169.

NAD83(HARN) / WISCRS Green and Lafayette (m)

Extent: United States (USA) - Wisconsin - counties of Green and Lafayette

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_AND_LAFAYETTE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8169')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_AND_
↪LAFAYETTE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8169')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8170.

NAD83(HARN) / WISCRS Iowa (ftUS)

Extent: United States (USA) - Wisconsin - Iowa county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8166')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8166')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8165.

NAD83(HARN) / WISCRS Iowa (m)

Extent: United States (USA) - Wisconsin - Iowa county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8165')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8165')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8166.

NAD83(HARN) / WISCRS Iron (ftUS)

Extent: United States (USA) - Wisconsin - Iron county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8164')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8164')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8163.

NAD83(HARN) / WISCRS Iron (m)

Extent: United States (USA) - Wisconsin - Iron county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8163')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8163')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8164.

NAD83(HARN) / WISCRS Jackson (ftUS)

Extent: United States (USA) - Wisconsin - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8162')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8162')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8161. When using the WISCORS network referenced to NAD83(2011) this CRS may be emulated through NAD83(2011) / Adjusted Jackson (ftUS) (CRS code 10516).

NAD83(HARN) / WISCRS Jackson (m)

Extent: United States (USA) - Wisconsin - Jackson county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8161')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8161')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8162.

NAD83(HARN) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (ftUS)

Extent: United States (USA) - Wisconsin - counties of Kenosha, Milwaukee, Ozaukee and Racine

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_
↪RACINE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8160')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_
↪OZAUKEE_AND_RACINE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8160')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8159.

NAD83(HARN) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (m)

Extent: United States (USA) - Wisconsin - counties of Kenosha, Milwaukee, Ozaukee and Racine

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_
↪RACINE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8159')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_
↪OZAUKEE_AND_RACINE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8159')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8160.

NAD83(HARN) / WISCRS Kewaunee, Manitowoc and Sheboygan (ftUS)

Extent: United States (USA) - Wisconsin - counties of Kewaunee, Manitowoc and Sheboygan

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_
↪FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8158')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_
↪AND_SHEBOYGAN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8158')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8157.

NAD83(HARN) / WISCRS Kewaunee, Manitowoc and Sheboygan (m)

Extent: United States (USA) - Wisconsin - counties of Kewaunee, Manitowoc and Sheboygan

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8157')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_
↪AND_SHEBOYGAN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8157')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8158.

NAD83(HARN) / WISCRS La Crosse (ftUS)

Extent: United States (USA) - Wisconsin - La Crosse county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8156')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8156')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8155.

NAD83(HARN) / WISCRS La Crosse (m)

Extent: United States (USA) - Wisconsin - La Crosse county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8155')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8155')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8156.

NAD83(HARN) / WISCRS Langlade (ftUS)

Extent: United States (USA) - Wisconsin - Langlade county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LANGLADE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8154')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LANGLADE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8154')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8153.

NAD83(HARN) / WISCRS Langlade (m)

Extent: United States (USA) - Wisconsin - Langlade county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LANGLADE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8153')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LANGLADE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8153')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8154.

NAD83(HARN) / WISCRS Lincoln (ftUS)

Extent: United States (USA) - Wisconsin - Lincoln county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8152')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8152')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8151.

NAD83(HARN) / WISCRS Lincoln (m)

Extent: United States (USA) - Wisconsin - Lincoln county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8151')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8151')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8152.

NAD83(HARN) / WISCRS Marathon (ftUS)

Extent: United States (USA) - Wisconsin - Marathon county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARATHON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8150')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARATHON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8150')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8149.

NAD83(HARN) / WISCRS Marathon (m)

Extent: United States (USA) - Wisconsin - Marathon county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARATHON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8149')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARATHON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8149')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8150.

NAD83(HARN) / WISCRS Marinette (ftUS)

Extent: United States (USA) - Wisconsin - Marinette county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8148')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8148')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8147.

NAD83(HARN) / WISCRS Marinette (m)

Extent: United States (USA) - Wisconsin - Marinette county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8147')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8147')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8148.

NAD83(HARN) / WISCRS Menominee (ftUS)

Extent: United States (USA) - Wisconsin - Menominee county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8146')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8146')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8145.

NAD83(HARN) / WISCRS Menominee (m)

Extent: United States (USA) - Wisconsin - Menominee county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8145')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8145')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8146.

NAD83(HARN) / WISCRS Monroe (ftUS)

Extent: United States (USA) - Wisconsin - Monroe county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MONROE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8144')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MONROE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8144')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8143.

NAD83(HARN) / WISCRS Monroe (m)

Extent: United States (USA) - Wisconsin - Monroe county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MONROE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8143')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MONROE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8143')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8144.

NAD83(HARN) / WISCRS Oconto (ftUS)

Extent: United States (USA) - Wisconsin - Oconto county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8142')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8142')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8141.

NAD83(HARN) / WISCRS Oconto (m)

Extent: United States (USA) - Wisconsin - Oconto county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8141')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8141')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8142.

NAD83(HARN) / WISCRS Oneida (ftUS)

Extent: United States (USA) - Wisconsin - Oneida county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8140')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8140')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8139.

NAD83(HARN) / WISCRS Oneida (m)

Extent: United States (USA) - Wisconsin - Oneida county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8139')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8139')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8140.

NAD83(HARN) / WISCRS Pepin and Pierce (ftUS)

Extent: United States (USA) - Wisconsin - counties of Pepin and Pierce

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PEPIN_AND_PIERCE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8138')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PEPIN_AND_PIERCE_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8138')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Defined in meters - see CRS code 8137.

NAD83(HARN) / WISCRS Pepin and Pierce (m)

Extent: United States (USA) - Wisconsin - counties of Pepin and Pierce

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PEPIN_AND_PIERCE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8137')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PEPIN_AND_PIERCE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8137')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined as separate zones for each county these having identical parameter values: see info source. Working units are feet - see CRS code 8138.

NAD83(HARN) / WISCRS Polk (ftUS)

Extent: United States (USA) - Wisconsin - Polk county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8136')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8136')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8135.

NAD83(HARN) / WISCRS Polk (m)

Extent: United States (USA) - Wisconsin - Polk county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8135')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8135')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8136.

NAD83(HARN) / WISCRS Portage (ftUS)

Extent: United States (USA) - Wisconsin - Portage county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8134')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8134')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8133.

NAD83(HARN) / WISCRS Portage (m)

Extent: United States (USA) - Wisconsin - Portage county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8133')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8133')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8134.

NAD83(HARN) / WISCRS Price (ftUS)

Extent: United States (USA) - Wisconsin - Price county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8132')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8132')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8131.

NAD83(HARN) / WISCRS Price (m)

Extent: United States (USA) - Wisconsin - Price county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8131')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8131')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8132.

NAD83(HARN) / WISCRS Richland (ftUS)

Extent: United States (USA) - Wisconsin - Richland county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8130')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8130')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8129.

NAD83(HARN) / WISCRS Richland (m)

Extent: United States (USA) - Wisconsin - Richland county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8129')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8129')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8130.

NAD83(HARN) / WISCRS Rock (ftUS)

Extent: United States (USA) - Wisconsin - Rock county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8128')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8127.

NAD83(HARN) / WISCRS Rock (m)

Extent: United States (USA) - Wisconsin - Rock county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8127')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8127')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8128.

NAD83(HARN) / WISCRS Rusk (ftUS)

Extent: United States (USA) - Wisconsin - Rusk county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8126')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8126')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8125.

NAD83(HARN) / WISCRS Rusk (m)

Extent: United States (USA) - Wisconsin - Rusk county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8125')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8126.

NAD83(HARN) / WISCRS Sauk (ftUS)

Extent: United States (USA) - Wisconsin - Sauk county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8124')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8123.

NAD83(HARN) / WISCRS Sauk (m)

Extent: United States (USA) - Wisconsin - Sauk county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8123')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8124.

NAD83(HARN) / WISCRS Sawyer (ftUS)

Extent: United States (USA) - Wisconsin - Sawyer county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8122')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8121.

NAD83(HARN) / WISCRS Sawyer (m)

Extent: United States (USA) - Wisconsin - Sawyer county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8121')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8122.

NAD83(HARN) / WISCRS Shawano (ftUS)

Extent: United States (USA) - Wisconsin - Shawano county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8120')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8119.

NAD83(HARN) / WISCRS Shawano (m)

Extent: United States (USA) - Wisconsin - Shawano county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8119')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8120.

NAD83(HARN) / WISCRS St. Croix (ftUS)

Extent: United States (USA) - Wisconsin - St. Croix county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8118')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8117.

NAD83(HARN) / WISCRS St. Croix (m)

Extent: United States (USA) - Wisconsin - St. Croix county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8117')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8118.

NAD83(HARN) / WISCRS Taylor (ftUS)

Extent: United States (USA) - Wisconsin - Taylor county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8116')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8115.

NAD83(HARN) / WISCRS Taylor (m)

Extent: United States (USA) - Wisconsin - Taylor county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8115')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8116.

NAD83(HARN) / WISCRS Trempealeau (ftUS)

Extent: United States (USA) - Wisconsin - Trempealeau county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8114')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8113.

NAD83(HARN) / WISCRS Trempealeau (m)

Extent: United States (USA) - Wisconsin - Trempealeau county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8113')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8114.

NAD83(HARN) / WISCRS Vernon (ftUS)

Extent: United States (USA) - Wisconsin - Vernon county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8112')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8111.

NAD83(HARN) / WISCRS Vernon (m)

Extent: United States (USA) - Wisconsin - Vernon county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8111')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8112.

NAD83(HARN) / WISCRS Vilas (ftUS)

Extent: United States (USA) - Wisconsin - Vilas county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VILAS_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VILAS_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8110')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8109.

NAD83(HARN) / WISCRS Vilas (m)

Extent: United States (USA) - Wisconsin - Vilas county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VILAS_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VILAS_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8109')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8110.

NAD83(HARN) / WISCRS Walworth (ftUS)

Extent: United States (USA) - Wisconsin - Walworth county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WALWORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8108')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WALWORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8108')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8107.

NAD83(HARN) / WISCRS Walworth (m)

Extent: United States (USA) - Wisconsin - Walworth county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WALWORTH_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8107')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WALWORTH_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8107')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8108.

NAD83(HARN) / WISCRS Washburn (ftUS)

Extent: United States (USA) - Wisconsin - Washburn county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHBURN_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8106')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHBURN_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8106')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8105.

NAD83(HARN) / WISCRS Washburn (m)

Extent: United States (USA) - Wisconsin - Washburn county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHBURN_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8105')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHBURN_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8105')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8106.

NAD83(HARN) / WISCRS Washington (ftUS)

Extent: United States (USA) - Wisconsin - Washington county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8104')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8104')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8103.

NAD83(HARN) / WISCRS Washington (m)

Extent: United States (USA) - Wisconsin - Washington county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8103')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8103')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8104.

NAD83(HARN) / WISCRS Waukesha (ftUS)

Extent: United States (USA) - Wisconsin - Waukesha county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8102')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8102')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8101.

NAD83(HARN) / WISCRS Waukesha (m)

Extent: United States (USA) - Wisconsin - Waukesha county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8101')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8101')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8102.

NAD83(HARN) / WISCRS Waupaca (ftUS)

Extent: United States (USA) - Wisconsin - Waupaca county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8100')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8100')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8099.

NAD83(HARN) / WISCRS Waupaca (m)

Extent: United States (USA) - Wisconsin - Waupaca county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8099')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8099')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8100.

NAD83(HARN) / WISCRS Waushara (ftUS)

Extent: United States (USA) - Wisconsin - Waushara county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8098')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8098')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8097.

NAD83(HARN) / WISCRS Waushara (m)

Extent: United States (USA) - Wisconsin - Waushara county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8097')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8097')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8098.

NAD83(HARN) / WISCRS Wood (ftUS)

Extent: United States (USA) - Wisconsin - Wood county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8096')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8096')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Defined in meters - see CRS code 8095.

NAD83(HARN) / WISCRS Wood (m)

Extent: United States (USA) - Wisconsin - Wood county

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8095')
```

Part of the Wisconsin Coordinate Reference System (WISCRS). Working units are feet - see CRS code 8096.

NAD83(HARN) / Washington North

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2855')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2855')
```

State law defines system in US survey feet. See code 2926 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Washington North (ftUS)

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2926')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2926')
```

State law defines system in US survey feet. Federal definition is metric - see code 2855. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Washington South

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2856')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2856')
```

State law defines system in US survey feet. See code 2927 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Washington South (ftUS)

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2927')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2927')
```

State law defines system in US survey feet. Federal definition is metric - see code 2856. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / West Virginia North

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2857')
```

State law defines system in US survey feet. See CRS code 26861 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / West Virginia North (ftUS)

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26861')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26861')
```

State law defines use of US survey feet. Federal definition is metric - see code 2857. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / West Virginia South

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2858')
```

State law defines system in US survey feet. See CRS code 26862 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / West Virginia South (ftUS)

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26862')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26862')
```

State law defines use of US survey feet. Federal definition is metric - see code 2858. Replaces NAD83 / SPCS for applications with an accuracy of better than 3ft. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin Central

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2860')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2860')
```

State law defines system in US survey feet. See code 2929 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin Central (ftUS)

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2929')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2929')
```

State law defines system in US survey feet. Federal definition is metric - see code 2860. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin North

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2859')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2859')
```

State law defines system in US survey feet. See code 2928 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin North (ftUS)

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2928')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2928')
```

State law defines system in US survey feet. Federal definition is metric - see code 2859. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin South

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2861')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2861')
```

State law defines system in US survey feet. See code 2930 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin South (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2930')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2930')
```

State law defines system in US survey feet. Federal definition is metric - see code 2861. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wisconsin Transverse Mercator

Extent: United States (USA) - Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3071')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_TRANSVERSE_
↪MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3071')
```

Designed as a single zone for the whole state. Replaces NAD83 / Wisconsin Transverse Mercator for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / Wisconsin Transverse Mercator.

NAD83(HARN) / Wyoming East

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2862')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2862')
```

State law defines system in US survey feet. See code 3755 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming East (ftUS)

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3755')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3755')
```

State law defines system in US survey feet. Federal definition is metric - see code 2862. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming East Central

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2863')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2863')
```

State law defines system in US survey feet. See code 3756 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming East Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3756')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3756')
```

State law defines system in US survey feet. Federal definition is metric - see code 2863. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming West

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2865')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2865')
```

State law defines system in US survey feet. See code 3758 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming West (ftUS)

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3758')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3758')
```

State law defines system in US survey feet. Federal definition is metric - see code 2865. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming West Central

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2864')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2864')
```

State law defines system in US survey feet. See code 3757 for equivalent non-metric definition. Replaces NAD83 / SPCS for applications with an accuracy of better than 1m. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(HARN) / Wyoming West Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3757')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3757')
```

State law defines system in US survey feet. Federal definition is metric - see code 2864. Replaces NAD83 / SPCS for applications with an accuracy of better than 3 feet. Replaced by NAD83(NSRS2007) / SPCS.

NAD83(MA11) / Guam Map Grid

Extent: Guam - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_MA11_GUAM_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6637')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MA11_GUAM_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6637')
```

Replaces NAD83(HARN) / Guam Map Grid (CRS code 4414).

NAD83(MA11) / UTM zone 54N

Extent: Guam and Northern Mariana Islands; offshore west of 144°E

```
Projected::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8692')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8692')
```

Guam Public Law 23-131 uses the name "NAD83" for NAD83(MA11). NAD83 is a system realized only in North America and different to NAD83(MA11).

NAD83(MA11) / UTM zone 55N

Extent: Guam and Northern Mariana Islands; onshore and offshore east of 144°E

```
Projected::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8693')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8693')
```

Guam Public Law 23-131 uses the name "NAD83" for NAD83(MA11). NAD83 is a system realized only in North America and different to NAD83(MA11).

NAD83(NSRS2007) / Alabama East

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3465')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3465')
```

Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Alabama West

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3466')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3466')
```

Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Alaska Albers

Extent: United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3467')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3467')
```

Replaces NAD83 / Alaska Albers for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 1

Extent: United States (USA) - Alaska - east of 141°W; i.e. Panhandle

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3468')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3468')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 10

Extent: United States (USA) - Alaska - Aleutian Islands onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3477')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3477')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 2

Extent: United States (USA) - Alaska - between 144°W and 141°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3469')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3469')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 3

Extent: United States (USA) - Alaska - between 148°W and 144°W

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3470')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3470')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 4

Extent: United States (USA) - Alaska - between 152°W and 148°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3471')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3471')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 5

Extent: United States (USA) - Alaska - between 156°W and 152°W

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3472')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3472')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 6

Extent: United States (USA) - Alaska - between 160°W and 156°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3473')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3473')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 7

Extent: United States (USA) - Alaska - between 164°W and 160°W, onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3474')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3474')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 8

Extent: United States (USA) - Alaska onshore north of 54°30'N and between 168°W and 164°W

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3475')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3475')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Alaska zone 9

Extent: United States (USA) - Alaska onshore north of 54°30'N and west of 168°W

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3476')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3476')
```

Replaces NAD83 / SPCS for applications with an accuracy of better than 1m.

NAD83(NSRS2007) / Arizona Central

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3478')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3478')
```

State law defines use of International feet (note: not US survey feet). See code 3479 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arizona Central (ft)

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3479')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3479')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3478. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arizona East

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3480')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3480')
```

State law defines use of International feet (note: not US survey feet). See code 3481 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arizona East (ft)

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_EAST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3481')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_EAST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3481')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3480. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arizona West

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3482')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3482')
```

State law defines use of International feet (note: not US survey feet). See code 3483 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arizona West (ft)

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3483')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3483')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3482. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arkansas North

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3484')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3484')
```

State law defines use of US survey feet. See code 3485 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arkansas North (ftUS)

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3485')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3485')
```

State law defines use of US survey feet. Federal definition is metric - see code 3484. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arkansas South

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3486')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3486')
```

State law defines use of US survey feet. See code 3487 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Arkansas South (ftUS)

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3487')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3487')
```

State law defines use of US survey feet. Federal definition is metric - see code 3486. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California Albers

Extent: United States (USA) - California

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3488')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3488')
```

Replaces NAD83(HARN) / California Albers.

NAD83(NSRS2007) / California zone 1

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3489')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3489')
```

State law defines use of US survey feet. See code 3490 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 1 (ftUS)

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3490')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3490')
```

State law defines use of US survey feet. Federal definition is metric - see code 3489. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 2

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3491')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3491')
```

State law defines use of US survey feet. See code 3492 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 2 (ftUS)

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3492')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3492')
```

State law defines use of US survey feet. Federal definition is metric - see code 3491. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 3

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3493')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3493')
```

State law defines use of US survey feet. See code 3494 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 3 (ftUS)

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3494')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3494')
```

State law defines use of US survey feet. Federal definition is metric - see code 3493. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 4

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3495')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3495')
```

State law defines use of US survey feet. See code 3496 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 4 (ftUS)

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3496')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3496')
```

State law defines use of US survey feet. Federal definition is metric - see code 3495. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 5

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3497')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3497')
```

State law defines use of US survey feet. See code 3498 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 5 (ftUS)

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3498')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3498')
```

State law defines use of US survey feet. Federal definition is metric - see code 3497. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 6

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3499')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3499')
```

State law defines use of US survey feet. See code 3500 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / California zone 6 (ftUS)

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3500')
```

State law defines use of US survey feet. Federal definition is metric - see code 3499. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Colorado Central

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3501')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3501')
```

State law defines use of US survey feet. See code 3502 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Colorado Central (ftUS)

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3502')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3502')
```

State law defines use of US survey feet. Federal definition is metric - see code 3501. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Colorado North

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3503')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3503')
```

State law defines use of US survey feet. See code 3504 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Colorado North (ftUS)

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3504')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3504')
```

State law defines use of US survey feet. Federal definition is metric - see code 3503. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Colorado South

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3505')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3505')
```

State law defines use of US survey feet. See code 3506 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Colorado South (ftUS)

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3506')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3506')
```

State law defines use of US survey feet. Federal definition is metric - see code 3505. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Connecticut

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3507')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3507')
```

State law defines use of US survey feet. See code 3508 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Connecticut (ftUS)

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3508')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3508')
```

State law defines use of US survey feet. Federal definition is metric - see code 3507. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Conus Albers

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONUS_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5072')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONUS_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5072')
```

Replaces NAD83(HARN) / Conus Albers (CRS code 5071).

NAD83(NSRS2007) / Delaware

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3509')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3509')
```

State law defines use of US survey feet. See code 3510 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Delaware (ftUS)

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3510')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3510')
```

State law defines use of US survey feet. Federal definition is metric - see code 3509. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / EPSG Arctic zone 5-29

Extent: Arctic - between 74°30'N and 69°30'N, approximately 173°W to approximately 153°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6094')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6094')
```

NAD83(NSRS2007) / EPSG Arctic zone 5-31

Extent: Arctic - between 74°30'N and 69°30'N, approximately 157°W to approximately 137°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6095')
```

NAD83(NSRS2007) / EPSG Arctic zone 6-14

Extent: Arctic - between 71°10'N and 66°10'N, approximately 174°W to approximately 156°W. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6096')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6096')
```

NAD83(NSRS2007) / EPSG Arctic zone 6-16

Extent: Arctic - between 71°10'N and 66°10'N, approximately 156°W to approximately 138°W. May be extended westwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6097')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6097')
```

NAD83(NSRS2007) / Florida East

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3511')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3511')
```

State law defines use of US survey feet. See code 3512 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Florida East (ftUS)

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3512')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3512')
```

State law defines use of US survey feet. Federal definition is metric - see code 3511. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Florida GDL Albers

Extent: United States (USA) - Florida

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_GDL_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3513')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_GDL_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3513')
```

Replaces NAD83(HARN) / Florida GDL Albers.

NAD83(NSRS2007) / Florida North

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3514')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3514')
```

State law defines use of US survey feet. See code 3515 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Florida North (ftUS)

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3515')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3515')
```

State law defines use of US survey feet. Federal definition is metric - see code 3514. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Florida West

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3516')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3516')
```

State law defines use of US survey feet. See code 3517 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Florida West (ftUS)

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3517')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3517')
```

State law defines use of US survey feet. Federal definition is metric - see code 3516. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Georgia East

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3518')
```

State law defines use of US survey feet. See code 3519 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Georgia East (ftUS)

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3519')
```

State law defines use of US survey feet. Federal definition is metric - see code 3518. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Georgia West

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3520')
```

State law defines use of US survey feet. See code 3521 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Georgia West (ftUS)

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3521')
```

State law defines use of US survey feet. Federal definition is metric - see code 3520. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Idaho Central

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3522')
```

State law defines use of US survey feet. See code 3523 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Idaho Central (ftUS)

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3523')
```

State law defines use of US survey feet. Federal definition is metric - see code 3522. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Idaho East

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3524')
```

State law defines use of US survey feet. See code 3525 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Idaho East (ftUS)

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3525')
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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3525')
```

State law defines use of US survey feet. Federal definition is metric - see code 3524. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Idaho West

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3526')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3526')
```

State law defines use of US survey feet. See code 3527 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Idaho West (ftUS)

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3527')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3527')
```

State law defines use of US survey feet. Federal definition is metric - see code 3526. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Illinois East

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3528')
```

State law defines use of US survey feet. See code 3529 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Illinois East (ftUS)

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3529')
```

State law defines use of US survey feet. Federal definition is metric - see code 3528. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Illinois West

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3530')
```

State law defines use of US survey feet. See code 3531 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Illinois West (ftUS)

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3531')
```

State law defines use of US survey feet. Federal definition is metric - see code 3530. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Indiana East

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3532')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3532')
```

State law defines use of US survey feet. See code 3533 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Indiana East (ftUS)

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3533')
```

State law defines use of US survey feet. Federal definition is metric - see code 3532. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Indiana West

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3534')
```

State law defines use of US survey feet. See code 3535 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Indiana West (ftUS)

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3535')
```

State law defines use of US survey feet. Federal definition is metric - see code 3534. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Iowa North

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3536')
```

State law defines use of US survey feet. See code 3537 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Iowa North (ftUS)

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3537')
```

State law defines use of US survey feet. Federal definition is metric - see code 3536. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Iowa South

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3538')
```

State law defines use of US survey feet. See code 3539 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Iowa South (ftUS)

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3539')
```

State law defines use of US survey feet. Federal definition is metric - see code 3538. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kansas North

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3540')
```

State law defines use of US survey feet. See code 3541 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kansas North (ftUS)

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3541')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3541')
```

State law defines use of US survey feet. Federal definition is metric - see code 3540. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kansas South

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3542')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3542')
```

State law defines use of US survey feet. See code 3543 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kansas South (ftUS)

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3543')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3543')
```

State law defines use of US survey feet. Federal definition is metric - see code 3542. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kentucky North

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3544')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3544')
```

State law defines use of US survey feet. See code 3545 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kentucky North (ftUS)

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3545')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3545')
```

State law defines use of US survey feet. Federal definition is metric - see code 3544. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kentucky Single Zone

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3546')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3546')
```

State law defines use of US survey feet. See code 3547 for equivalent non-metric definition. Replaces NAD83(HARN) / Kentucky Single Zone.

NAD83(NSRS2007) / Kentucky Single Zone (ftUS)

Extent: United States (USA) - Kentucky

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3547')
```

State law defines use of US survey feet. See code 3546 for equivalent metric definition. Replaces NAD83(HARN) / Kentucky Single Zone (ftUS).

NAD83(NSRS2007) / Kentucky South

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3548')
```

State law defines use of US survey feet. See code 3549 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Kentucky South (ftUS)

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3549')
```

State law defines use of US survey feet. Federal definition is metric - see code 3548. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Louisiana North

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3550')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3550')
```

State law defines use of US survey feet. See code 3551 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Louisiana North (ftUS)

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3551')
```

State law defines use of US survey feet. Federal definition is metric - see code 3550. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Louisiana South

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3552')
```

Not applicable to offshore areas. State law defines use of US survey feet. See code 3553 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Louisiana South (ftUS)

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3553')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3553')
```

Not applicable to offshore areas. State law defines use of US survey feet. Federal definition is metric - see code 3552. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Maine CS2000 Central

Extent: United States (USA) - Maine between approximately 69°40'W and 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence northeasterly along the state line to the intersection of the Fort Kent - Frenchville town line, thence southerly along this town line to the intersection with the New Canada Plantation - T17 R5 WELS town line, thence continuing southerly along town lines to the northeast corner of Penobscot County, thence continuing southerly along the Penobscot County line to the intersection of the Woodville - Mattawamkeag town line (being determined by the Penobscot River), thence along the Penobscot River to the Enfield - Lincoln town line, thence southeasterly along the Enfield - Lincoln town line and the Enfield - Lowell town line to the Passadumkeag - Edinburg town line, thence south-southeasterly along town lines to the intersection of the Hancock County line, thence southerly along the county line to the intersection of the Otis - Mariaville town line, thence southerly along the Otis - Mariaville town line to the Ellsworth city line, thence southerly along the Ellsworth city line to the intersection of the Surry - Trenton town line, thence southerly along the easterly town lines of Surry, Blue Hill, Brooklin, Deer Isle, and Stonington to the Knox County line, thence following the Knox County line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Sagadahoc - Lincoln county line, thence northerly along the easterly boundary of the Maine 2000 West Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3554')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3554')
```

Replaces NAD83(HARN) / CS2000.

NAD83(NSRS2007) / Maine CS2000 East

Extent: United States (USA) - Maine east of approximately 68°25'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the Fort Kent - Frenchville town line, thence continuing easterly and then southerly along the state line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary westerly to the intersection of the Knox and Hancock County line, thence northerly along the easterly boundary of the Maine 2000 Central Zone, as defined, to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3555')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3555')
```

Replaces NAD83(HARN) / CS2000.

NAD83(NSRS2007) / Maine CS2000 West

Extent: United States (USA) - Maine west of approximately 69°40'W. The area is bounded by the following: Beginning at the point determined by the intersection of the Maine State line and the County Line between Aroostook and Somerset Counties, thence following the Somerset County line Easterly to the Northwest corner of the Somerset and Piscataquis county line, thence Southerly along this county line to the northeast corner of the Athens town line, thence westerly along the town line between Brighton Plantation and Athens to the westerly corner of Athens, and continuing southerly to the southwest corner of the town of Athens where it meets the Cornville town line, thence westerly along the Cornville - Solon town line to the intersection of the Cornville - Madison town line, thence southerly and westerly following the Madison town line to the intersection of the Norridgewock - Skowhegan town line, thence southerly along the Skowhegan town line to the Fairfield town line, thence easterly along the Fairfield town line to the Clinton town line (being determined by the Kennebec River), thence southerly along the Kennebec River to the Augusta city line, thence easterly along the city line to the Windsor town line, thence southerly along the Augusta - Windsor town line to the northwest corner of the Lincoln County line, thence southerly along the westerly Lincoln county line to the boundary of the State of Maine as determined by Maritime law, thence following the State boundary on the westerly side of the state to the point of beginning

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3556')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3556')
```

Replaces NAD83(HARN) / CS2000.

NAD83(NSRS2007) / Maine East

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3557')
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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3557')
```

State law defines system in US survey feet. See code 26863 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Maine East (ftUS)

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26863')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26863')
```

State law defines use of US survey feet. Federal definition is metric - see code 3557. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Maine West

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3558')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3558')
```

State law defines system in US survey feet. See code 26864 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Maine West (ftUS)

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26864')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26864')
```

State law defines use of US survey feet. Federal definition is metric - see code 3558. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Maryland

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3559')
```

State law defines use of US survey feet. See code 3582 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Maryland (ftUS)

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3582')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3582')
```

State law defines use of US survey feet. Federal definition is metric - see code 3559. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Massachusetts Island

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3583')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3583')
```

State law defines use of US survey feet. See code 3584 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Massachusetts Island (ftUS)

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3584')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3584')
```

State law defines use of US survey feet. Federal definition is metric - see code 3583. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Massachusetts Mainland

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_MAINLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3585')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_
↪MAINLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3585')
```

State law defines use of US survey feet. See code 3586 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Massachusetts Mainland (ftUS)

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_MAINLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3586')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_
↪MAINLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3586')
```

State law defines use of US survey feet. Federal definition is metric - see code 3585. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Michigan Central

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3587')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3587')
```

State law defines use of International feet (note: not US survey feet). See code 3588 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Michigan Central (ft)

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3588')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3588')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3587. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Michigan North

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3589')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3589')
```

State law defines use of International feet (note: not US survey feet). See code 3590 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Michigan North (ft)

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3590')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3590')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3589. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Michigan Oblique Mercator

Extent: United States (USA) - Michigan

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_OBLIQUE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3591')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_OBLIQUE_
↪MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3591')
```

Replaces NAD83(HARN) / Michigan Oblique Mercator.

NAD83(NSRS2007) / Michigan South

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3592')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3592')
```

State law defines use of International feet (note: not US survey feet). See code 3593 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Michigan South (ft)

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3593')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3593')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3592. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Minnesota Central

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3594')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3594')
```

State law defines system in US survey feet. See code 26866 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Minnesota Central (ftUS)

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26866')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26866')
```

State law defines use of US survey feet. Federal definition is metric - see code 3594. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Minnesota North

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3595')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3595')
```

State law defines system in US survey feet. See code 26865 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Minnesota North (ftUS)

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26865')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26865')
```

State law defines use of US survey feet. Federal definition is metric - see code 3595. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Minnesota South

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3596')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3596')
```

State law defines system in US survey feet. See code 26867 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Minnesota South (ftUS)

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26867')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26867')
```

State law defines use of US survey feet. Federal definition is metric - see code 3596. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Mississippi East

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3597')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3597')
```

State law defines use of US survey feet. See code 3598 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Mississippi East (ftUS)

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3598')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3598')
```

State law defines use of US survey feet. Federal definition is metric - see code 3597. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Mississippi TM

Extent: United States (USA) - Mississippi

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3816')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3816')
```

Replaces NAD83(HARN) / Mississippi TM (CRS code 3815).

NAD83(NSRS2007) / Mississippi West

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3599')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3599')
```

State law defines use of US survey feet. See code 3600 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Mississippi West (ftUS)

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3600')
```

State law defines use of US survey feet. Federal definition is metric - see code 3599. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Missouri Central

Extent: United States (USA) - Missouri - counties of Adair; Audrain; Benton; Boone; Callaway; Camden; Carroll; Chariton; Christian; Cole; Cooper; Dallas; Douglas; Greene; Grundy; Hickory; Howard; Howell; Knox; Laclede; Linn; Livingston; Macon; Maries; Mercer; Miller; Moniteau; Monroe; Morgan; Osage; Ozark; Pettis; Phelps; Polk; Pulaski; Putnam; Randolph; Saline; Schuyler; Scotland; Shelby; Stone; Sullivan; Taney; Texas; Webster; Wright

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3601')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3601')
```

Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Missouri East

Extent: United States (USA) - Missouri - counties of Bollinger; Butler; Cape Girardeau; Carter; Clark; Crawford; Dent; Dunklin; Franklin; Gasconade; Iron; Jefferson; Lewis; Lincoln; Madison; Marion; Mississippi; Montgomery; New Madrid; Oregon; Pemiscot; Perry; Pike; Ralls; Reynolds; Ripley; Scott; Shannon; St Charles; St Francois; St Louis; Ste. Genevieve; Stoddard; Warren; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3602')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3602')
```

Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Missouri West

Extent: United States (USA) - Missouri - counties of Andrew; Atchison; Barry; Barton; Bates; Buchanan; Caldwell; Cass; Cedar; Clay; Clinton; Dade; Daviess; De Kalb; Gentry; Harrison; Henry; Holt; Jackson; Jasper; Johnson; Lafayette; Lawrence; McDonald; Newton; Nodaway; Platte; Ray; St Clair; Vernon; Worth

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3603')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3603')
```

Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Montana

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MONTANA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3604')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MONTANA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3604')
```

State law defines use of International feet (note: not US survey feet). See code 3605 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Montana (ft)

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MONTANA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3605')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_MONTANA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3605')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3604. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nebraska

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEBRASKA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3606')
```

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CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEBRASKA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3606')
```

State law defines system in US survey feet. See CRS code 26868 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nebraska (ftUS)

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEBRASKA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26868')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEBRASKA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26868')
```

State law defines use of US survey feet. Federal definition is metric - see code 3606. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nevada Central

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3607')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3607')
```

State law defines use of US survey feet. See code 3608 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nevada Central (ftUS)

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3608')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3608')
```

State law defines use of US survey feet. Federal definition is metric - see code 3607. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nevada East

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3609')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3609')
```

State law defines use of US survey feet. See code 3610 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nevada East (ftUS)

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3610')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3610')
```

State law defines use of US survey feet. Federal definition is metric - see code 3609. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nevada West

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3611')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3611')
```

State law defines use of US survey feet. See code 3612 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Nevada West (ftUS)

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3612')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3612')
```

State law defines use of US survey feet. Federal definition is metric - see code 3611. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Hampshire

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3613')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3613')
```

State law defines use of US survey feet. See code 3614 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Hampshire (ftUS)

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3614')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3614')
```

State law defines use of US survey feet. Federal definition is metric - see code 3613. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Jersey

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3615')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3615')
```

State law defines use of US survey feet. See code 3616 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Jersey (ftUS)

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3616')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3616')
```

State law defines use of US survey feet. Federal definition is metric - see code 3615. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Mexico Central

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3617')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3617')
```

State law defines use of US survey feet. See code 3618 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Mexico Central (ftUS)

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3618')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3618')
```

State law defines use of US survey feet. Federal definition is metric - see code 3617. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Mexico East

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3619')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3619')
```

State law defines use of US survey feet. See code 3620 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Mexico East (ftUS)

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3620')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3620')
```

State law defines use of US survey feet. Federal definition is metric - see code 3619. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Mexico West

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3621')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3621')
```

State law defines use of US survey feet. See code 3622 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New Mexico West (ftUS)

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3622')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3622')
```

State law defines use of US survey feet. Federal definition is metric - see code 3621. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York Central

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3623')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3623')
```

State law defines use of US survey feet. See code 3624 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York Central (ftUS)

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3624')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3624')
```

State law defines use of US survey feet. Federal definition is metric - see code 3623. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York East

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3625')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3625')
```

State law defines use of US survey feet. See code 3626 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York East (ftUS)

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3626')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3626')
```

State law defines use of US survey feet. Federal definition is metric - see code 3625. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York Long Island

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3627')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3627')
```

State law defines use of US survey feet. See code 3628 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York Long Island (ftUS)

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3628')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3628')
```

State law defines use of US survey feet. Federal definition is metric - see code 3627. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York West

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3629')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3629')
```

State law defines use of US survey feet. See code 3630 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / New York West (ftUS)

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3630')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3630')
```

State law defines use of US survey feet. Federal definition is metric - see code 3629. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / North Carolina

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3631')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3631')
```

State law defines use of US survey feet. See CRS code 3632 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / North Carolina (ftUS)

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3632')
```

State law defines use of US survey feet. Federal definition is metric - see CRS code 3631. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / North Dakota North

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3633')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3633')
```

State law defines use of International feet (note: not US survey feet). See code 3634 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / North Dakota North (ft)

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3634')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3634')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3633. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / North Dakota South

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3635')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3635')
```

State law defines use of International feet (note: not US survey feet). See code 3636 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / North Dakota South (ft)

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3636')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3636')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3635. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Ohio North

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3637')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3637')
```

State law defines use of US survey feet. See code 3728 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Ohio North (ftUS)

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3728')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3728')
```

State law defines use of US survey feet. Federal definition is metric - see code 3637. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Ohio South

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3638')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3638')
```

State law defines use of US survey feet. See code 3729 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Ohio South (ftUS)

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3729')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3729')
```

State law defines use of US survey feet. Federal definition is metric - see code 3638. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oklahoma North

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3639')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3639')
```

State law defines use of US survey feet. See code 3640 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oklahoma North (ftUS)

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3640')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3640')
```

State law defines use of US survey feet. Federal definition is metric - see code 3639. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oklahoma South

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3641')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3641')
```

State law defines use of US survey feet. See code 3642 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oklahoma South (ftUS)

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3642')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3642')
```

State law defines use of US survey feet. Federal definition is metric - see code 3641. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oregon GIC Lambert (ft)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_GIC_LAMBERT_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3644')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_GIC_LAMBERT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3644')
```

State law defines use of International feet (note: not US survey feet). Replaces NAD83(HARN) / Oregon GIC Lambert (ft) (CRS code 2994). Replaced by NAD83(2011) / Oregon GIC Lambert (ft) (CRS code 6557).

NAD83(NSRS2007) / Oregon LCC (m)

Extent: United States (USA) - Oregon

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_LCC_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3643')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_LCC_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3643')
```

See CRS code 3644 for non-metric definition used by state agencies. Replaces NAD83(HARN) / Oregon LCC (m) (CRS code 2993). Replaced by NAD83(2011) / Oregon LCC (m) (CRS code 6556).

NAD83(NSRS2007) / Oregon North

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3645')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3645')
```

State law defines use of International feet (note: not US survey feet). See code 3646 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oregon North (ft)

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3646')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3646')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3645. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oregon South

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3647')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3647')
```

State law defines use of International feet (note: not US survey feet). See code 3648 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Oregon South (ft)

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3648')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3648')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3647. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Pennsylvania North

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3649')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3649')
```

State law defines use of US survey feet. See code 3650 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Pennsylvania North (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3650')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3650')
```

State law defines use of US survey feet. Federal definition is metric - see code 3649. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Pennsylvania South

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3651')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3651')
```

State law defines use of US survey feet. See code 3652 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Pennsylvania South (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3652')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3652')
```

State law defines use of US survey feet. Federal definition is metric - see code 3651. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Puerto Rico and Virgin Is.

Extent: Puerto Rico and US Virgin Islands - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PUERTO_RICO_AND_VIRGIN_IS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4437')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_PUERTO_RICO_AND_
↪VIRGIN_IS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4437')
```

Replaces NAD83(HARN) / SPCS (CRS code 2866).

NAD83(NSRS2007) / Rhode Island

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3653')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3653')
```

State law defines use of US survey feet. See code 3654 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Rhode Island (ftUS)

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3654')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3654')
```

State law defines use of US survey feet. Federal definition is metric - see code 3653. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / South Carolina

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3655')
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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3655')
```

State law defines use of International feet (note: not US survey feet). See code 3656 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / South Carolina (ft)

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3656')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3656')
```

State law defines use of International feet (note: not US survey feet). Federal definition is metric - see code 3655. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / South Dakota North

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3657')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3657')
```

State law defines use of US survey feet. See code 3658 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / South Dakota North (ftUS)

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3658')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH_
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↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3658')
```

State law defines use of US survey feet. Federal definition is metric - see code 3657. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / South Dakota South

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3659')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3659')
```

State law defines use of US survey feet. See code 3660 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / South Dakota South (ftUS)

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3660')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3660')
```

State law defines use of US survey feet. Federal definition is metric - see code 3659. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Tennessee

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3661')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3661')
```

State law defines use of US survey feet. See code 3662 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Tennessee (ftUS)

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3662')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3662')
```

State law defines use of US survey feet. Federal definition is metric - see code 3661. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas Central

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3663')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3663')
```

State law defines use of US survey feet. See code 3664 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas Central (ftUS)

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3664')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3664')
```

State law defines use of US survey feet. Federal definition is metric - see code 3663. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas Centric Albers Equal Area

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3665')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_ALBERS_
↪EQUAL_AREA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3665')
```

Replaces NAD83(HARN) / TX Albers (CRS code 3085). Replaced by NAD83(2011) / TX Albers (CRS code 6579). For state-wide spatial data presentation requiring shape preservation use NAD83(NSRS2007) / TX LC (CRS code 3666).

NAD83(NSRS2007) / Texas Centric Lambert Conformal

Extent: United States (USA) - Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_LAMBERT_CONFORMAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3666')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_LAMBERT_
↪CONFORMAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3666')
```

Replaces NAD83(HARN) / TX LC (CRS code 3084). Replaced by NAD83(2011) / TX LC (CRS code 3666). For state-wide spatial data presentation requiring true area measurements use NAD83(NSRS2007) / TX Albers (CRS code 3665).

NAD83(NSRS2007) / Texas North

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3667')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3667')
```

State law defines use of US survey feet. See code 3668 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas North (ftUS)

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3668')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3668')
```

State law defines use of US survey feet. Federal definition is metric - see code 3667. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas North Central

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3669')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3669')
```

State law defines use of US survey feet. See code 3670 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas North Central (ftUS)

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3670')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3670')
```

State law defines use of US survey feet. Federal definition is metric - see code 3669. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas South

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3671')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3671')
```

State law defines use of US survey feet. See code 3672 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas South (ftUS)

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3672')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3672')
```

State law defines use of US survey feet. Federal definition is metric - see code 3671. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas South Central

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3673')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3673')
```

State law defines use of US survey feet. See code 3764 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Texas South Central (ftUS)

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3674')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3674')
```

State law defines use of US survey feet. Federal definition is metric - see code 3673. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / UTM zone 10N

Extent: United States (USA) - between 126°W and 120°W onshore and offshore - California; Oregon; Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3717')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3717')
```

Replaces NAD83(HARN) / UTM zone 10N.

NAD83(NSRS2007) / UTM zone 11N

Extent: United States (USA) - between 120°W and 114°W onshore and offshore - California, Idaho, Nevada, Oregon, Washington

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3718')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3718')
```

Replaces NAD83(HARN) / UTM zone 11N.

NAD83(NSRS2007) / UTM zone 12N

Extent: United States (USA) - between 114°W and 108°W - Arizona; Colorado; Idaho; Montana; New Mexico; Utah; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3719')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3719')
```

Replaces NAD83(HARN) / UTM zone 12N.

NAD83(NSRS2007) / UTM zone 13N

Extent: United States (USA) - between 108°W and 102°W - Colorado; Montana; Nebraska; New Mexico; North Dakota; Oklahoma; South Dakota; Texas; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3720')
```

Replaces NAD83(HARN) / UTM zone 13N.

NAD83(NSRS2007) / UTM zone 14N

Extent: United States (USA) - between 102°W and 96°W onshore and offshore - Iowa; Kansas; Minnesota; Nebraska; North Dakota; Oklahoma; South Dakota; Texas

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3721')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3721')
```

Replaces NAD83(HARN) / UTM zone 14N.

NAD83(NSRS2007) / UTM zone 15N

Extent: United States (USA) - between 96°W and 90°W onshore and offshore - Arkansas; Illinois; Iowa; Kansas; Louisiana; Michigan; Minnesota; Mississippi; Missouri; Nebraska; Oklahoma; Tennessee; Texas; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3722')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3722')
```

Replaces NAD83(HARN) / UTM zone 15N.

NAD83(NSRS2007) / UTM zone 16N

Extent: United States (USA) - between 90°W and 84°W onshore and offshore - Alabama; Arkansas; Florida; Georgia; Indiana; Illinois; Kentucky; Louisiana; Michigan; Minnesota; Mississippi; Missouri; North Carolina; Ohio; Tennessee; Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3723')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3723')
```

Replaces NAD83(HARN) / UTM zone 16N.

NAD83(NSRS2007) / UTM zone 17N

Extent: United States (USA) - between 84°W and 78°W onshore and offshore - Florida; Georgia; Kentucky; Maryland; Michigan; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia; West Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3724')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3724')
```

Replaces NAD83(HARN) / UTM zone 17N.

NAD83(NSRS2007) / UTM zone 18N

Extent: United States (USA) - between 78°W and 72°W onshore and offshore - Connecticut; Delaware; Maryland; Massachusetts; New Hampshire; New Jersey; New York; North Carolina; Pennsylvania; Virginia; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3725')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3725')
```

Replaces NAD83(HARN) / UTM zone 18N.

NAD83(NSRS2007) / UTM zone 19N

Extent: United States (USA) - between 72°W and 66°W onshore and offshore - Connecticut; Maine; Massachusetts; New Hampshire; New York (Long Island); Rhode Island; Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3726')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3726')
```

Replaces NAD83(HARN) / UTM zone 19N.

NAD83(NSRS2007) / UTM zone 1N

Extent: United States (USA) - between 180°W and 174°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3708')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3708')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 1N.

NAD83(NSRS2007) / UTM zone 2N

Extent: United States (USA) - between 174°W and 168°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3709')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 2N.

NAD83(NSRS2007) / UTM zone 3N

Extent: United States (USA) - between 168°W and 162°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3710')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3710')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 3N.

NAD83(NSRS2007) / UTM zone 4N

Extent: United States (USA) - between 162°W and 156°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3711')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3711')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 4N.

NAD83(NSRS2007) / UTM zone 59N

Extent: United States (USA) - west of 174°E. Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3706')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3706')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 59N.

NAD83(NSRS2007) / UTM zone 5N

Extent: United States (USA) - between 156°W and 150°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3712')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3712')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 5N.

NAD83(NSRS2007) / UTM zone 60N

Extent: United States (USA) - between 174°E and 180°E - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3707')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3707')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 60N.

NAD83(NSRS2007) / UTM zone 6N

Extent: United States (USA) - between 150°W and 144°W - Alaska and offshore continental shelf (OCS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3713')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3713')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 6N.

NAD83(NSRS2007) / UTM zone 7N

Extent: United States (USA) - between 144°W and 138°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3714')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3714')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 7N.

NAD83(NSRS2007) / UTM zone 8N

Extent: United States (USA) - between 138°W and 132°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3715')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3715')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 8N.

NAD83(NSRS2007) / UTM zone 9N

Extent: United States (USA) - between 132°W and 126°W onshore and offshore - Alaska

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3716')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3716')
```

For applications with an accuracy of better than 1m, replaces NAD83 / UTM zone 9N.

NAD83(NSRS2007) / Utah Central

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3675')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3675')
```

State law of 2009 defines use of US survey feet: see CRS code 3677 for equivalent non-metric definition. An earlier law of 1988 defining use of International foot was withdrawn in 2001. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah Central (ft)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3676')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3676')
```

State law of 1988 defining use of International feet was withdrawn in 2001. State law of 2009 defines use of US survey feet: see CRS code 3677. Federal definition is metric - see code 3675. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah Central (ftUS)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3677')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3677')
```

State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3675. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah North

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3678')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3678')
```

State law of 2009 defines use of US survey feet: see CRS code 3680 for equivalent non-metric definition. An earlier law of 1988 defining use of International foot was withdrawn in 2001. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah North (ft)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3679')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3679')
```

State law of 1988 defining use of International feet was withdrawn in 2001. State law of 2009 defines use of US survey feet: see CRS code 3680. Federal definition is metric - see code 3678. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah North (ftUS)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3680')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3680')
```

State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3678. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah South

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3681')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3681')
```

State law of 2009 defines use of US survey feet: see CRS code 3683 for equivalent non-metric definition. An earlier law of 1988 defining use of International foot was withdrawn in 2001. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah South (ft)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3682')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3682')
```

State law of 1988 defining use of International feet was withdrawn in 2001. State law of 2009 defines use of US survey feet: see CRS code 3683. Federal definition is metric - see code 3681. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Utah South (ftUS)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3683')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3683')
```

State law defining use of International feet (note: not US survey feet) has been withdrawn. Federal definition is metric - see code 3681. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Vermont

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3684')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3684')
```

State law defines use of US survey feet. See code 5655 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Vermont (ftUS)

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5655')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5655')
```

State law defines use of US survey feet. Federal definition is metric - see code 3684. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Virginia Lambert

Extent: United States (USA) - Virginia

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3970')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3970')
```

Replaces NAD83(HARN) / Virginia Lambert (CRS code 3969).

NAD83(NSRS2007) / Virginia North

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3685')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3685')
```

State law defines use of US survey feet. See code 3686 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Virginia North (ftUS)

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3686')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3686')
```

State law defines use of US survey feet. Federal definition is metric - see code 3685. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Virginia South

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3687')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3687')
```

State law defines use of US survey feet. See code 3688 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Virginia South (ftUS)

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3688')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3688')
```

State law defines use of US survey feet. Federal definition is metric - see code 3687. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Washington North

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3689')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3689')
```

State law defines use of US survey feet. See code 3690 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Washington North (ftUS)

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3690')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3690')
```

State law defines use of US survey feet. Federal definition is metric - see code 3689. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Washington South

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3691')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3691')
```

State law defines use of US survey feet. See code 3692 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Washington South (ftUS)

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3692')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3692')
```

State law defines use of US survey feet. Federal definition is metric - see code 3691. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / West Virginia North

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3693')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3693')
```

State law defines system in US survey feet. See CRS code 26869 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / West Virginia North (ftUS)

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26869')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26869')
```

State law defines use of US survey feet. Federal definition is metric - see code 3693. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / West Virginia South

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3694')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3694')
```

State law defines system in US survey feet. See CRS code 26870 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / West Virginia South (ftUS)

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::26870')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::26870')
```

State law defines use of US survey feet. Federal definition is metric - see code 3694. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin Central

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3695')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3695')
```

State law defines use of US survey feet. See code 3696 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin Central (ftUS)

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3696')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3696')
```

State law defines use of US survey feet. Federal definition is metric - see code 3695. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin North

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3697')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3697')
```

State law defines use of US survey feet. See code 3698 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin North (ftUS)

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3698')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3698')
```

State law defines use of US survey feet. Federal definition is metric - see code 3607. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin South

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3699')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3699')
```

State law defines use of US survey feet. See code 3700 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin South (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3700')
```

State law defines use of US survey feet. Federal definition is metric - see code 3699. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wisconsin Transverse Mercator

Extent: United States (USA) - Wisconsin

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_TRANSVERSE_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3701')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_TRANSVERSE_
↪MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3701')
```

Designed as a single zone for the whole state. Replaces NAD83(HARN) / Wisconsin Transverse Mercator.

NAD83(NSRS2007) / Wyoming East

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3702')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3702')
```

State law defines use of US survey feet. See code 3730 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming East (ftUS)

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3730')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3730')
```

State law defines use of US survey feet. Federal definition is metric - see code 3702. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming East Central

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3703')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3703')
```

State law defines use of US survey feet. See code 3731 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming East Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3731')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3731')
```

State law defines use of US survey feet. Federal definition is metric - see code 3703. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming West

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3705')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3705')
```

State law defines use of US survey feet. See code 3733 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming West (ftUS)

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3733')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3733')
```

State law defines use of US survey feet. Federal definition is metric - see code 3705. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming West Central

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3704')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3704')
```

State law defines use of US survey feet. See code 3732 for equivalent non-metric definition. Replaces NAD83(HARN) / SPCS.

NAD83(NSRS2007) / Wyoming West Central (ftUS)

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3732')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3732')
```

State law defines use of US survey feet. Federal definition is metric - see code 3704. Replaces NAD83(HARN) / SPCS.

NAD83(PA11) / Hawaii zone 1

Extent: United States (USA) - Hawaii - island of Hawaii - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6628')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6628')
```

Replaces NAD83(HARN) / Hawaii zone 1 (CRS code 2782).

NAD83(PA11) / Hawaii zone 2

Extent: United States (USA) - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6629')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6629')
```

Replaces NAD83(HARN) / Hawaii zone 2 (CRS code 2783).

NAD83(PA11) / Hawaii zone 3

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6630')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6630')
```

Replaces NAD83(HARN) / Hawaii zone 3 (CRS code 2784).

NAD83(PA11) / Hawaii zone 3 (ftUS)

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6633')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6633')
```

State has no law defining grid unit; system therefore not recognised by Federal authorities. Replaces NAD83(HARN) / Hawaii zone 3 (ftUS) (CRS code 3760).

NAD83(PA11) / Hawaii zone 4

Extent: United States (USA) - Hawaii - Kauai - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6631')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6631')
```

Replaces NAD83(HARN) / Hawaii zone 4 (CRS code 2785).

NAD83(PA11) / Hawaii zone 5

Extent: United States (USA) - Hawaii - Niihau - onshore

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6632')
```

Replaces NAD83(HARN) / Hawaii zone 5 (CRS code 2786).

NAD83(PA11) / UTM zone 2S

Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_2S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6636')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_2S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6636')
```

Replaces NAD83(HARN) / UTM zone 2S (CRS code 2195).

NAD83(PA11) / UTM zone 4N

Extent: United States (USA) - between 162°W and 156°W onshore - Hawaii

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6634')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6634')
```

Replaces NAD83(HARN) / UTM zone 4N (CRS code 3750).

NAD83(PA11) / UTM zone 5N

Extent: United States (USA) - between 156°W and 150°W onshore - Hawaii

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6635')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6635')
```

Replaces NAD83(HARN) / UTM zone 5N (CRS code 3751).

NEA74 Noumea / Noumea Lambert

Extent: New Caledonia - Grande Terre - Noumea district

```
Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3165')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3165')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163). Gives identical conversion results as NEA74 Noumea / Noumea Lambert 2 (CRS code 3166).

NEA74 Noumea / Noumea Lambert 2

Extent: New Caledonia - Grande Terre - Noumea district

```
Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3166')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3166')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163). Variant of NEA74 Noumea / Noumea Lambert (CRS code 3166) with defining parameters at integer seconds: gives identical conversion results.

NEA74 Noumea / UTM zone 58S

Extent: New Caledonia - Grande Terre - Noumea district

```
Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2998')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEA74_NOUMEA_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2998')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

NGN / UTM zone 38N

Extent: Kuwait - onshore west of 48°E

```
Projected::fromSRID(Projected::EPSG_NGN_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGN_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31838')
```

NGN / UTM zone 39N

Extent: Kuwait - onshore east of 48°E

```
Projected::fromSRID(Projected::EPSG_NGN_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGN_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31839')
```

NGO 1948 (Oslo) / NGO zone I

Extent: Norway - west of 3°30'W of Oslo (7°13'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27391')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27391')
```

To be phased out and replaced by ETRF89 / UTM zone 32N.

NGO 1948 (Oslo) / NGO zone II

Extent: Norway - between 3°30'W and 1°10' W of Oslo (7°13'22.5"E and 9°33'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27392')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27392')
```

To be phased out and replaced by ETRF89 / UTM zone 32N.

NGO 1948 (Oslo) / NGO zone III

Extent: Norway - between 1°10'W and 1°15'E of Oslo (9°33'22.5"E and 11°58'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27393')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27393')
```

To be phased out and replaced by ETRF89 / UTM zone 32N.

NGO 1948 (Oslo) / NGO zone IV

Extent: Norway - between 1°15'E and 4°20'E of Oslo (11°58'22.5"E and 15°03'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27394')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27394')
```

To be phased out and replaced by ETRF89 / UTM zone 32N and ETRF89 / UTM zone 33N.

NGO 1948 (Oslo) / NGO zone V

Extent: Norway - between 4°20'E and 8°10'E of Oslo (15°03'22.5"E and 18°53'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27395')
```

To be phased out and replaced by ETRF89 / UTM zone 33N and ETRF89 / UTM zone 34N.

NGO 1948 (Oslo) / NGO zone VI

Extent: Norway - between 8°10'E and 12°10'E of Oslo (18°53'22.5"E and 22°53'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27396')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27396')
```

To be phased out and replaced by ETRF89 / UTM zone 34N.

NGO 1948 (Oslo) / NGO zone VII

Extent: Norway - between 12°10'E and 16°15'E of Oslo (22°53'22.5"E and 26°58'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27397')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27397')
```

To be phased out and replaced by ETRF89 / UTM zone 34N and ETRF89 / UTM zone 35N.

NGO 1948 (Oslo) / NGO zone VIII

Extent: Norway - east of 16°15'E of Oslo (26°58'22.5"E of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27398')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27398')
```

To be phased out and replaced by ETRF89 / UTM zone 35N.

NSIDC EASE-Grid Global

Extent: World between 86°S and 86°N

```
Projected::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_GLOBAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3410')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_GLOBAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3410')
```

Used as basis for Equal-Area Scalable Earth Grid (EASE-Grid). See information source for equations to define EASE-Grid overlay. Superseded by WGS 84 / NSIDC EASE-Grid 2.0 Global (CRS code 6933), which should be preferred for new data.

NSIDC EASE-Grid North

Extent: Northern hemisphere

```
Projected::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3408')
```

Used as basis for Equal-Area Scalable Earth Grid (EASE-Grid). See information source for equations to define EASE-Grid overlay. Superseded by WGS 84 / NSIDC EASE-Grid 2.0 North (CRS code 6931), which should be preferred for new data.

NSIDC EASE-Grid South

Extent: Southern hemisphere

```
Projected::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3409')
```

Used as basis for Equal-Area Scalable Earth Grid (EASE-Grid). See information source for equations to define EASE-Grid overlay. Superseded by WGS 84 / NSIDC EASE-Grid 2.0 South (CRS code 6932), which should be preferred for new data.

NSIDC Sea Ice Polar Stereographic North

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_
↪NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3411')
```

The datum is unspecified. Uncertainty in location of over 1 km may result; at the coarse resolution and very small scales for which this system should be used this uncertainty may be insignificant. See CRS 3413 for geodetically preferred alternative.

NSIDC Sea Ice Polar Stereographic South

Extent: Southern hemisphere - south of 60°S onshore and offshore - Antarctica

```
Projected::fromSRID(Projected::EPSG_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_
↪SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3412')
```

The datum is unspecified. Uncertainty in location of over 1 km may result; at the coarse resolution and very small scales for which this system should be used this uncertainty may be insignificant. See CRS 3976 for geodetically preferred alternative.

NTF (Paris) / Lambert Centre France

Extent: France mainland onshore between 50.5 grads and 53.5 grads North (45°27'N to 48°09'N)

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CENTRE_FRANCE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27562')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CENTRE_FRANCE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27562')
```

Replaced by NTF (Paris) / France zone II (code 27572) from 1972.

NTF (Paris) / Lambert Corse

Extent: France - Corsica onshore

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CORSE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27564')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CORSE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27564')
```

Replaced by NTF (Paris) / France zone IV (code 27574) from 1972.

NTF (Paris) / Lambert Nord France

Extent: France mainland onshore north of 53.5 grads North (48°09'N)

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_NORD_FRANCE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27561')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_NORD_FRANCE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27561')
```

Replaced by NTF (Paris) / France zone I (code 27571) from 1972.

NTF (Paris) / Lambert Sud France

Extent: France - mainland onshore south of 50.5 grads North (45°27'N)

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_SUD_FRANCE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27563')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_SUD_FRANCE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27563')
```

Replaced by NTF (Paris) / France zone III (code 27573) from 1972.

NTF (Paris) / Lambert zone I

Extent: France mainland onshore north of 53.5 grads North (48°09'N)

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27571')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27571')
```

Introduced 1972. Replaces NTF (Paris) / Lambert Nord France (code 27561).

NTF (Paris) / Lambert zone II

Extent: France mainland onshore between 50.5 grads and 53.5 grads North (45°27'N to 48°09'N). Also used over all onshore mainland France

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27572')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27572')
```

Introduced 1972. Replaces NTF (Paris) / Lambert Centre France (code 27562).

NTF (Paris) / Lambert zone III

Extent: France - mainland onshore south of 50.5 grads North (45°27'N)

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27573')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27573')
```

Introduced 1972. Replaces NTF (Paris) / Lambert Sud France (code 27563).

NTF (Paris) / Lambert zone IV

Extent: France - Corsica onshore

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27574')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27574')
```

Introduced 1972. Replaces NTF (Paris) / Lambert Corse (code 27564).

NZGD2000 / Amuri 2000

Extent: New Zealand - South Island - Amuri meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_AMURI_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_AMURI_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2119')
```

Replaced NZGD49 / Amuri Circuit (code 27219) from March 2000.

NZGD2000 / Antipodes Islands TM 2000

Extent: New Zealand - Antipodes Island, Bounty Islands

```
Projected::fromSRID(Projected::EPSG_NZGD2000_ANTIPODES_ISLANDS_TM_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3790')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_ANTIPODES_ISLANDS_TM_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3790')
```

NZGD2000 / Auckland Islands TM 2000

Extent: New Zealand - Snares Island, Auckland Island - onshore

```
Projected::fromSRID(Projected::EPSG_NZGD2000_AUCKLAND_ISLANDS_TM_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3788')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_AUCKLAND_ISLANDS_TM_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3788')
```

NZGD2000 / Bay of Plenty 2000

Extent: New Zealand - North Island - Bay of Plenty meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_BAY_OF_PLENTY_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2106')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_BAY_OF_PLENTY_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2106')
```

Replaced NZGD49 / Bay of Plenty Circuit (code 27206) from March 2000.

NZGD2000 / Bluff 2000

Extent: New Zealand - Stewart Island; South Island - Bluff meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_BLUFF_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2132')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_BLUFF_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2132')
```

Replaced NZGD49 / Bluff Circuit (code 27232) from March 2000.

NZGD2000 / Buller 2000

Extent: New Zealand - South Island - Buller meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_BULLER_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_BULLER_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2117')
```

Replaced NZGD49 / Buller Circuit (code 27217) from March 2000.

NZGD2000 / Campbell Island TM 2000

Extent: New Zealand - Campbell Island

```
Projected::fromSRID(Projected::EPSG_NZGD2000_CAMPBELL_ISLAND_TM_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3789')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_CAMPBELL_ISLAND_TM_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3789')
```

NZGD2000 / Chatham Island Circuit 2000

Extent: New Zealand - Chatham Islands group - onshore

```
Projected::fromSRID(Projected::EPSG_NZGD2000_CHATHAM_ISLAND_CIRCUIT_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3764')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_CHATHAM_ISLAND_CIRCUIT_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3764')
```

Officially withdrawn on 6 June 2006. Should not be used for new datasets. Replaced by NZGD2000 / Chatham Island TM 2000 (CRS code 3793).

NZGD2000 / Chatham Islands TM 2000

Extent: New Zealand - Chatham Islands group - onshore

```
Projected::fromSRID(Projected::EPSG_NZGD2000_CHATHAM_ISLANDS_TM_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_CHATHAM_ISLANDS_TM_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3793')
```

Replaces CI1979 / Chatham Islands Map Grid (CRS code 5519) and NZGD2000 / Chatham Islands Circuit 2000 (CRS code 3764).

NZGD2000 / Collingwood 2000

Extent: New Zealand - South Island - Collingwood meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_COLLINGWOOD_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2114')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_COLLINGWOOD_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2114')
```

Replaced NZGD49 / Collingwood Circuit (code 27214) from March 2000.

NZGD2000 / Gawler 2000

Extent: New Zealand - South Island - Gawler meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_GAWLER_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_GAWLER_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2125')
```

Replaced NZGD49 / Gawler Circuit (code 27225) from March 2000.

NZGD2000 / Grey 2000

Extent: New Zealand - South Island - Grey meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_GREY_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_GREY_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2118')
```

Replaced NZGD49 / Grey Circuit (code 27218) from March 2000.

NZGD2000 / Hawkes Bay 2000

Extent: New Zealand - North Island - Hawkes Bay meridional circuit and Napier vertical crs area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_HAWKES_BAY_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2108')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_HAWKES_BAY_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2108')
```

Replaced NZGD49 / Hawkes Bay Circuit (code 27208) from March 2000.

NZGD2000 / Hokitika 2000

Extent: New Zealand - South Island - Hokitika meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_HOKITIKA_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_HOKITIKA_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2121')
```

Replaced NZGD49 / Hokitika Circuit (code 27221) from March 2000.

NZGD2000 / Jacksons Bay 2000

Extent: New Zealand - South Island - Jacksons Bay meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_JACKSONS_BAY_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_JACKSONS_BAY_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2123')
```

Replaced NZGD49 / Jacksons Bay Circuit (code 27223) from March 2000.

NZGD2000 / Karamea 2000

Extent: New Zealand - South Island - Karamea meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_KARAMEA_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_KARAMEA_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2116')
```

Replaced NZGD49 / Karamea Circuit (code 27216) from March 2000.

NZGD2000 / Lindis Peak 2000

Extent: New Zealand - South Island - Lindis Peak meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_LINDIS_PEAK_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2127')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_LINDIS_PEAK_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2127')
```

Replaced NZGD49 / Lindis Peak Circuit (code 27227) from March 2000.

NZGD2000 / Marlborough 2000

Extent: New Zealand - South Island - Marlborough meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MARLBOROUGH_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_MARLBOROUGH_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2120')
```

Replaced NZGD49 / Marlborough Circuit (code 27220) from March 2000.

NZGD2000 / Mount Eden 2000

Extent: New Zealand - North Island - Mount Eden meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_EDEN_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2105')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_MOUNT_EDEN_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2105')
```

Replaced NZGD49 / Mount Eden Circuit (code 27205) from March 2000.

NZGD2000 / Mount Nicholas 2000

Extent: New Zealand - South Island - Mount Nicholas meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_NICHOLAS_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2128')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_MOUNT_NICHOLAS_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2128')
```

Replaced NZGD49 / Mount Nicholas Circuit (code 27228) from March 2000.

NZGD2000 / Mount Pleasant 2000

Extent: New Zealand - South Island - Mount Pleasant meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_PLEASANT_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_MOUNT_PLEASANT_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2124')
```

Replaced NZGD49 / Mount Pleasant Circuit (code 27224) from March 2000.

NZGD2000 / Mount York 2000

Extent: New Zealand - South Island - Mount York meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_YORK_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2129')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_MOUNT_YORK_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2129')
```

Replaced NZGD49 / Mount York Circuit (code 27229) from March 2000.

NZGD2000 / NZCS2000

Extent: New Zealand - offshore

```
Projected::fromSRID(Projected::EPSG_NZGD2000_NZCS2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_NZCS2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3851')
```

See WGS 84 / NIWA Albers (CRS code 9191) for oceanic data statistical analysis.

NZGD2000 / Nelson 2000

Extent: New Zealand - South Island - Nelson meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_NELSON_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_NELSON_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2115')
```

Replaced NZGD49 / Nelson Circuit (code 27215) from March 2000.

NZGD2000 / New Zealand Transverse Mercator 2000

Extent: New Zealand - North Island, South Island, Stewart Island - onshore

```
Projected::fromSRID(Projected::EPSG_NZGD2000_NEW_ZEALAND_TRANSVERSE_MERCATOR_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_NEW_ZEALAND_TRANSVERSE_
↪MERCATOR_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2193')
```

Replaces NZGD49 / New Zealand Map Grid (code 27200) from July 2001.

NZGD2000 / North Taieri 2000

Extent: New Zealand - South Island - North Taieri meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_NORTH_TAIERI_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2131')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_NORTH_TAIERI_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2131')
```

Replaced NZGD49 / North Taieri Circuit (code 27231) from March 2000.

NZGD2000 / Observation Point 2000

Extent: New Zealand - South Island - Observation Point meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_OBSERVATION_POINT_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2130')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_OBSERVATION_POINT_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2130')
```

Replaced NZGD49 / Observation Point Circuit (code 27230) from March 2000.

NZGD2000 / Okarito 2000

Extent: New Zealand - South Island - Okarito meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_OKARITO_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_OKARITO_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2122')
```

Replaced NZGD49 / Okarito Circuit (code 27222) from March 2000.

NZGD2000 / Poverty Bay 2000

Extent: New Zealand - North Island - Poverty Bay meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_POVERTY_BAY_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2107')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_POVERTY_BAY_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2107')
```

Replaced NZGD49 / Poverty Bay Circuit (code 27207) from March 2000.

NZGD2000 / Raoul Island TM 2000

Extent: New Zealand - Raoul Island, Kermadec Islands

```
Projected::fromSRID(Projected::EPSG_NZGD2000_RAOUL_ISLAND_TM_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_RAOUL_ISLAND_TM_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3791')
```

NZGD2000 / Taranaki 2000

Extent: New Zealand - North Island - Taranaki meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_TARANAKI_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2109')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_TARANAKI_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2109')
```

Replaced NZGD49 / Taranaki Circuit (code 27209) from March 2000.

NZGD2000 / Timaru 2000

Extent: New Zealand - South Island - Timaru meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_TIMARU_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2126')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_TIMARU_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2126')
```

Replaced NZGD49 / Timaru Circuit (code 27226) from March 2000.

NZGD2000 / Tuhirangi 2000

Extent: New Zealand - North Island - Tuhirangi meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_TUHIRANGI_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2110')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_TUHIRANGI_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2110')
```

Replaced NZGD49 / Tuhirangi Circuit (code 27210) from March 2000.

NZGD2000 / UTM zone 1S

Extent: New Zealand - offshore between 180°W and 174°W

```
Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5700')
```

NZGD2000 / UTM zone 58S

Extent: New Zealand - offshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2133')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2133')
```

Replaces NZGD49 / UTM zone 58S (code 27258) from March 2000.

NZGD2000 / UTM zone 59S

Extent: New Zealand - offshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2134')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2134')
```

Replaces NZGD49 / UTM zone 59S (code 27259) from March 2000.

NZGD2000 / UTM zone 60S

Extent: New Zealand - offshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_60S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2135')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_60S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2135')
```

Replaces NZGD49 / UTM zone 60S (code 27260) from March 2000.

NZGD2000 / Wairarapa 2000

Extent: New Zealand - North Island - Wairarapa meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_WAIRARAPA_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2112')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_WAIRARAPA_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2112')
```

Replaced NZGD49 / Wairarapa Circuit (code 27212) from March 2000.

NZGD2000 / Wanganui 2000

Extent: New Zealand - North Island - Wanganui meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_WANGANUI_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2111')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_WANGANUI_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2111')
```

Replaced NZGD49 / Wanganui Circuit (code 27211) from March 2000.

NZGD2000 / Wellington 2000

Extent: New Zealand - North Island - Wellington meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD2000_WELLINGTON_2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2113')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD2000_WELLINGTON_2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2113')
```

Replaced NZGD49 / Wellington Circuit (code 27213) from March 2000.

NZGD49 / Amuri Circuit

Extent: New Zealand - South Island - Amuri meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_AMURI_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27219')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_AMURI_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27219')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Amuri 2000 (code 2119) from March 2000.

NZGD49 / Bay of Plenty Circuit

Extent: New Zealand - North Island - Bay of Plenty meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_BAY_OF_PLENTY_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27206')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_BAY_OF_PLENTY_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27206')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Bay of Plenty 2000 (code 2106) from March 2000.

NZGD49 / Bluff Circuit

Extent: New Zealand - Stewart Island; South Island - Bluff meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_BLUFF_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_BLUFF_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27232')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Bluff 2000 (code 2132) from March 2000.

NZGD49 / Buller Circuit

Extent: New Zealand - South Island - Buller meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_BULLER_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_BULLER_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27217')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Buller 2000 (code 2117) from March 2000.

NZGD49 / Collingwood Circuit

Extent: New Zealand - South Island - Collingwood meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_COLLINGWOOD_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_COLLINGWOOD_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27214')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Collingwood 2000 (code 2114) from March 2000.

NZGD49 / Gawler Circuit

Extent: New Zealand - South Island - Gawler meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_GAWLER_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_GAWLER_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27225')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Gawler 2000 (code 2125) from March 2000.

NZGD49 / Grey Circuit

Extent: New Zealand - South Island - Grey meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_GREY_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_GREY_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27218')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Grey 2000 (code 2118) from March 2000.

NZGD49 / Hawkes Bay Circuit

Extent: New Zealand - North Island - Hawkes Bay meridional circuit and Napier vertical crs area

```
Projected::fromSRID(Projected::EPSG_NZGD49_HAWKES_BAY_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_HAWKES_BAY_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27208')
```

Replaced Hawkes Bay 1931 datum with Imperial measure version of projection in 1972. Replaced by NZGD2000 / Hawkes Bay 2000 (code 2108) from March 2000.

NZGD49 / Hokitika Circuit

Extent: New Zealand - South Island - Hokitika meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_HOKITIKA_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_HOKITIKA_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27221')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Hokitika 2000 (code 2121) from March 2000.

NZGD49 / Jacksons Bay Circuit

Extent: New Zealand - South Island - Jacksons Bay meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_JACKSONS_BAY_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27223')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_JACKSONS_BAY_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27223')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Jacksons Bay 2000 (code 2123) from March 2000.

NZGD49 / Karamea Circuit

Extent: New Zealand - South Island - Karamea meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_KARAMEA_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_KARAMEA_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27216')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Karamea 2000 (code 2116) from March 2000.

NZGD49 / Lindis Peak Circuit

Extent: New Zealand - South Island - Lindis Peak meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_LINDIS_PEAK_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27227')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_LINDIS_PEAK_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27227')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Lindis Peak 2000 (code 2127) from March 2000.

NZGD49 / Marlborough Circuit

Extent: New Zealand - South Island - Marlborough meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_MARLBOROUGH_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_MARLBOROUGH_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27220')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Marlborough 2000 (code 2120) from March 2000.

NZGD49 / Mount Eden Circuit

Extent: New Zealand - North Island - Mount Eden meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_EDEN_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27205')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_MOUNT_EDEN_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27205')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount Eden 2000 (code 2105) from March 2000.

NZGD49 / Mount Nicholas Circuit

Extent: New Zealand - South Island - Mount Nicholas meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_NICHOLAS_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27228')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_MOUNT_NICHOLAS_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27228')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount Nicholas 2000 (code 2128) from March 2000.

NZGD49 / Mount Pleasant Circuit

Extent: New Zealand - South Island - Mount Pleasant meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_PLEASANT_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_MOUNT_PLEASANT_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27224')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount Pleasant 2000 (code 2124) from March 2000.

NZGD49 / Mount York Circuit

Extent: New Zealand - South Island - Mount York meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_YORK_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27229')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_MOUNT_YORK_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27229')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Mount York 2000 (code 2129) from March 2000.

NZGD49 / Nelson Circuit

Extent: New Zealand - South Island - Nelson meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_NELSON_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_NELSON_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27215')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Nelson 2000 (code 2115) from March 2000.

NZGD49 / New Zealand Map Grid

Extent: New Zealand - North Island, South Island, Stewart Island - onshore

```
Projected::fromSRID(Projected::EPSG_NZGD49_NEW_ZEALAND_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27200')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_NEW_ZEALAND_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27200')
```

Replaces 27291 (NZGD49 / North Island Grid) and 27292 (NZGD49 / South Island Grid) from 1972. Replaced by NZGD2000 / New Zealand Transverse Mercator 2000 from July 2001.

NZGD49 / North Island Grid

Extent: New Zealand - North Island

```
Projected::fromSRID(Projected::EPSG_NZGD49_NORTH_ISLAND_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27291')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_NORTH_ISLAND_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27291')
```

Sears 1922 British foot-metre conversion factor applied to ellipsoid. Replaced by 27200 (GD49 / New Zealand Map Grid) in 1972.

NZGD49 / North Taieri Circuit

Extent: New Zealand - South Island - North Taieri meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_NORTH_TAIERI_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_NORTH_TAIERI_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27231')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / North Taieri 2000 (code 2131) from March 2000.

NZGD49 / Observation Point Circuit

Extent: New Zealand - South Island - Observation Point meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_OBSERVATION_POINT_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27230')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_OBSERVATION_POINT_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27230')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Observation Point 2000 (code 2130) from March 2000.

NZGD49 / Okarito Circuit

Extent: New Zealand - South Island - Okarito meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_OKARITO_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_OKARITO_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27222')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Okarito 2000 (code 2122) from March 2000.

NZGD49 / Poverty Bay Circuit

Extent: New Zealand - North Island - Poverty Bay meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_POVERTY_BAY_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_POVERTY_BAY_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27207')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Poverty Bay 2000 (code 2107) from March 2000.

NZGD49 / South Island Grid

Extent: New Zealand - South Island, Stewart Island

```
Projected::fromSRID(Projected::EPSG_NZGD49_SOUTH_ISLAND_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27292')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_SOUTH_ISLAND_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27292')
```

Sears 1922 British foot-metre conversion factor applied to ellipsoid. Replaced by 27200 (GD49 / New Zealand Map Grid) in 1972.

NZGD49 / Taranaki Circuit

Extent: New Zealand - North Island - Taranaki meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_TARANAKI_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_TARANAKI_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27209')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Taranaki 2000 (code 2109) from March 2000.

NZGD49 / Timaru Circuit

Extent: New Zealand - South Island - Timaru meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_TIMARU_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27226')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_TIMARU_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27226')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Timaru 2000 (code 2126) from March 2000.

NZGD49 / Tuhirangi Circuit

Extent: New Zealand - North Island - Tuhirangi meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_TUHIRANGI_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_TUHIRANGI_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27210')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Tuhirangi 2000 (code 2110) from March 2000.

NZGD49 / UTM zone 58S

Extent: New Zealand - nearshore west of 168°E

```
Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27258')
```

Replaced by NZGD2000 / UTM zone 58S (code 2133) from March 2000.

NZGD49 / UTM zone 59S

Extent: New Zealand - nearshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27259')
```

Replaced by NZGD2000 / UTM zone 59S (code 2134) from March 2000.

NZGD49 / UTM zone 60S

Extent: New Zealand - nearshore east of 174°E

```
Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_60S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_60S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27260')
```

Replaced by NZGD2000 / UTM zone 60S (code 2135) from March 2000.

NZGD49 / Wairarapa Circuit

Extent: New Zealand - North Island - Wairarapa meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_WAIRARAPA_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_WAIRARAPA_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27212')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Wairarapa 2000 (code 2112) from March 2000.

NZGD49 / Wanganui Circuit

Extent: New Zealand - North Island - Wanganui meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_WANGANUI_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_WANGANUI_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27211')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Wanganui 2000 (code 2111) from March 2000.

NZGD49 / Wellington Circuit

Extent: New Zealand - North Island - Wellington meridional circuit area

```
Projected::fromSRID(Projected::EPSG_NZGD49_WELLINGTON_CIRCUIT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NZGD49_WELLINGTON_CIRCUIT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27213')
```

Replaced Imperial measure version in 1972. Replaced by NZGD2000 / Wellington 2000 (code 2113) from March 2000.

Nahrwan 1934 / Iraq zone

Extent: Iraq - onshore; Iran - onshore northern Gulf coast and west bordering southeast Iraq

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_IRAQ_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3394')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAHRWAN_1934_IRAQ_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3394')
```

In Iran, replaced by FD58 / Iraq zone (CRS code 3200). In Iraq, replaced by Karbala 1979 / UTM (CRS codes 3391-93).

Nahrwan 1934 / UTM zone 37N

Extent: Iraq - west of 42°E

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7005')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7005')
```

Replaced by Karbala 1979 (Polservice) / UTM zone 37N (projCRS code 3391).

Nahrwan 1934 / UTM zone 38N

Extent: Iraq - between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7006')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7006')
```

Replaced by Karbala 1979 (Polservice) / UTM zone 38N (projCRS code 3392).

Nahrwan 1934 / UTM zone 39N

Extent: Iraq - east of 48°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7007')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7007')
```

Replaced by Karbala 1979 (Polservice) / UTM zone 39N (projCRS code 3393).

Nahrwan 1967 / UTM zone 39N

Extent: Qatar - offshore. United Arab Emirates (UAE) - Abu Dhabi - onshore and offshore west of 54°E

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27039')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27039')
```

Nahrwan 1967 / UTM zone 40N

Extent: United Arab Emirates (UAE) onshore and offshore east of 54°E - Abu Dhabi; Dubai; Sharjah; Ajman; Fujairah; Ras Al Kaimah; Umm Al Qaiwain

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27040')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27040')
```

Nakhl-e Ghanem / UTM zone 39N

Extent: Iran - Kangan district

```
Projected::fromSRID(Projected::EPSG_NAKHL_E_GHANEM_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAKHL_E_GHANEM_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3307')
```

Naparima 1955 / UTM zone 20N

Extent: Trinidad and Tobago - Trinidad - onshore

```
Projected::fromSRID(Projected::EPSG_NAPARIMA_1955_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2067')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAPARIMA_1955_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2067')
```

Naparima 1972 / UTM zone 20N

Extent: Trinidad and Tobago - Tobago - onshore

```
Projected::fromSRID(Projected::EPSG_NAPARIMA_1972_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NAPARIMA_1972_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27120')
```

New Beijing / 3-degree Gauss-Kruger CM 102E

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4791')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 34 (code 4770).

New Beijing / 3-degree Gauss-Kruger CM 105E

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4792')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4792')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 35 (code 4771).

New Beijing / 3-degree Gauss-Kruger CM 108E

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4793')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 36 (code 4772).

New Beijing / 3-degree Gauss-Kruger CM 111E

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4794')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 37 (code 4773).

New Beijing / 3-degree Gauss-Kruger CM 114E

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4795')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4795')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 38 (code 4774).

New Beijing / 3-degree Gauss-Kruger CM 117E

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4796')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4796')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 39 (code 4775).

New Beijing / 3-degree Gauss-Kruger CM 120E

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4797')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4797')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 40 (code 4776).

New Beijing / 3-degree Gauss-Kruger CM 123E

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4798')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4798')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 41 (code 4777).

New Beijing / 3-degree Gauss-Kruger CM 126E

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4799')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4799')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 42 (code 4778).

New Beijing / 3-degree Gauss-Kruger CM 129E

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4800')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4800')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 43 (code 4779).

New Beijing / 3-degree Gauss-Kruger CM 132E

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4812')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4812')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 44 (code 4780).

New Beijing / 3-degree Gauss-Kruger CM 135E

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4822')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4822')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 45 (code 4781).

New Beijing / 3-degree Gauss-Kruger CM 75E

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4782')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4782')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 25 (code 4652).

New Beijing / 3-degree Gauss-Kruger CM 78E

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4783')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4783')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 26 (code 4653).

New Beijing / 3-degree Gauss-Kruger CM 81E

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4784')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4784')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 27 (code 4654).

New Beijing / 3-degree Gauss-Kruger CM 84E

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4785')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4785')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 28 (code 4655).

New Beijing / 3-degree Gauss-Kruger CM 87E

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4786')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4786')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 29 (code 4656).

New Beijing / 3-degree Gauss-Kruger CM 90E

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4787')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4787')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 30 (code 4766).

New Beijing / 3-degree Gauss-Kruger CM 93E

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4788')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4788')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 31 (code 4767).

New Beijing / 3-degree Gauss-Kruger CM 96E

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4789')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4789')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 32 (code 4768).

New Beijing / 3-degree Gauss-Kruger CM 99E

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4790')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_
↪99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4790')
```

Truncated form of New Beijing / 3-degree Gauss-Kruger zone 33 (code 4769).

New Beijing / 3-degree Gauss-Kruger zone 25

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4652')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4652')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 75E (code 4782).

New Beijing / 3-degree Gauss-Kruger zone 26

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4653')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4653')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 78E (code 4783).

New Beijing / 3-degree Gauss-Kruger zone 27

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4654')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4654')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 81E (code 4784).

New Beijing / 3-degree Gauss-Kruger zone 28

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4655')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4655')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 84E (code 4785).

New Beijing / 3-degree Gauss-Kruger zone 29

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4656')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4656')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 87E (code 4786).

New Beijing / 3-degree Gauss-Kruger zone 30

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4766')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 90E (code 4787).

New Beijing / 3-degree Gauss-Kruger zone 31

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4767')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4767')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 93E (code 4788).

New Beijing / 3-degree Gauss-Kruger zone 32

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4768')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4768')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 96E (code 4789).

New Beijing / 3-degree Gauss-Kruger zone 33

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4769')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4769')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 99E (code 4790).

New Beijing / 3-degree Gauss-Kruger zone 34

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4770')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4770')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 102E (code 4791).

New Beijing / 3-degree Gauss-Kruger zone 35

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4771')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4771')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 105E (code 4792).

New Beijing / 3-degree Gauss-Kruger zone 36

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4772')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4772')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 108E (code 4793).

New Beijing / 3-degree Gauss-Kruger zone 37

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4773')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4773')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 111E (code 4794).

New Beijing / 3-degree Gauss-Kruger zone 38

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4774')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4774')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 114E (code 4795).

New Beijing / 3-degree Gauss-Kruger zone 39

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4775')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4775')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 117E (code 4796).

New Beijing / 3-degree Gauss-Kruger zone 40

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4776')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4776')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 120E (code 4797).

New Beijing / 3-degree Gauss-Kruger zone 41

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4777')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4777')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 123E (code 4798).

New Beijing / 3-degree Gauss-Kruger zone 42

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4778')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4778')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 126E (code 4799).

New Beijing / 3-degree Gauss-Kruger zone 43

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4779')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4779')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 129E (code 4800).

New Beijing / 3-degree Gauss-Kruger zone 44

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4780')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 132E (code 4812).

New Beijing / 3-degree Gauss-Kruger zone 45

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4781')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_
↪ZONE_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4781')
```

Also found with truncated false easting - see New Beijing / 3-degree Gauss-Kruger CM 135E (code 4822).

New Beijing / Gauss-Kruger CM 105E

Extent: China - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4584')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4584')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 18 (code 4573).

New Beijing / Gauss-Kruger CM 111E

Extent: China - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4585')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4585')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 19 (code 4574).

New Beijing / Gauss-Kruger CM 117E

Extent: China - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4586')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4586')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 20 (code 4575).

New Beijing / Gauss-Kruger CM 123E

Extent: China - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4587')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4587')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 21 (code 4576).

New Beijing / Gauss-Kruger CM 129E

Extent: China - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4588')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4588')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 22 (code 4577).

New Beijing / Gauss-Kruger CM 135E

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4589')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4589')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 23 (code 4578).

New Beijing / Gauss-Kruger CM 75E

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4579')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4579')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 13 (code 4568).

New Beijing / Gauss-Kruger CM 81E

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4580')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4580')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 14 (code 4569).

New Beijing / Gauss-Kruger CM 87E

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4581')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4581')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 15 (code 4570).

New Beijing / Gauss-Kruger CM 93E

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4582')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4582')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 16 (code 4571).

New Beijing / Gauss-Kruger CM 99E

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4583')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4583')
```

Truncated form of New Beijing / [6-degree] Gauss-Kruger zone 17 (code 4572).

New Beijing / Gauss-Kruger zone 13

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4568')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4568')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 75E (code 4579).

New Beijing / Gauss-Kruger zone 14

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4569')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4569')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 81E (code 4580).

New Beijing / Gauss-Kruger zone 15

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4570')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4570')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 87E (code 4581).

New Beijing / Gauss-Kruger zone 16

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4571')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4571')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 93E (code 4582).

New Beijing / Gauss-Kruger zone 17

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4572')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4572')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 99E (code 4583).

New Beijing / Gauss-Kruger zone 18

Extent: China - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4573')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4573')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 105E (code 4584).

New Beijing / Gauss-Kruger zone 19

Extent: China - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4574')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4574')
```

Also found with truncated false easting - see New Beijing / G-K zone 19 / [6-degree] Gauss-Kruger CM 111E (code 4585).

New Beijing / Gauss-Kruger zone 20

Extent: China - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4575')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4575')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 117E (code 4586).

New Beijing / Gauss-Kruger zone 21

Extent: China - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4576')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4576')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 123E (code 4587).

New Beijing / Gauss-Kruger zone 22

Extent: China - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4577')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4577')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 129E (code 4588).

New Beijing / Gauss-Kruger zone 23

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4578')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4578')
```

Also found with truncated false easting - see New Beijing / [6-degree] Gauss-Kruger CM 135E (code 4589).

Nord Sahara 1959 / Nord Algerie

Extent: Algeria - onshore north of 38.5 grads North (34°39'N)

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_NORD_ALGERIE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NORD_SAHARA_1959_NORD_ALGERIE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30791')
```

Replaces Voirol 1879 / Nord Algerie ancienne (code 30493). Grid coordinates on average across Algeria are unchanged although local differences reach 30 metres; geographic coordinate equivalents do change.

Nord Sahara 1959 / Sud Algerie

Extent: Algeria - 35 grads to 38.5 grads North (31°30'N to 34°39'N)

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_SUD_ALGERIE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30792')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NORD_SAHARA_1959_SUD_ALGERIE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30792')
```

Replaces Voirol 1879 / Sud Algerie ancienne (code 30494). Grid coordinates on average across Algeria are unchanged although local differences reach 30 metres; geographic coordinate equivalents do change. INCT uses to south of 31°30'N; OGP recommends UTM.

Nord Sahara 1959 / UTM zone 29N

Extent: Algeria - west of 6°W (of Greenwich)

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30729')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30729')
```

Nord Sahara 1959 / UTM zone 30N

Extent: Algeria - between 6°W and 0°W (of Greenwich), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30730')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30730')
```

Nord Sahara 1959 / UTM zone 31N

Extent: Algeria - between 0°E and 6°E (of Greenwich), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30731')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30731')
```

Nord Sahara 1959 / UTM zone 32N

Extent: Algeria - east of 6°E (of Greenwich), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30732')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30732')
```

ONGD14 / UTM zone 39N

Extent: Oman - onshore and offshore west of 54°E

```
Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7374')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7374')
```

In Oman replaced usage of WGS 84 / UTM zone 39N projCRS (code 32639) in 2014. Replaced by ONGD17 / UTM zone 39N (code 9295) in 2019.

ONGD14 / UTM zone 40N

Extent: Oman - onshore and offshore between 54°E and 60°E

```
Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7375')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7375')
```

In Oman replaced usage of WGS 84 / UTM zone 40N projCRS (code 32640) in 2014. Replaced by ONGD17 / UTM zone 40N (code 9296) in 2019.

ONGD14 / UTM zone 41N

Extent: Oman - offshore east of 60°E

```
Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7376')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7376')
```

Replaced by ONGD17 / UTM zone 41N (code 9296) in 2019.

ONGD17 / UTM zone 39N

Extent: Oman - onshore and offshore west of 54°E

```
Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9295')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9295')
```

Replaces ONGD14 / UTM zone 39N projCRS (code 7374) from March 2019.

ONGD17 / UTM zone 40N

Extent: Oman - onshore and offshore between 54°E and 60°E

```
Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9296')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9296')
```

Replaced ONGD14 / UTM zone 40N projCRS (code 7375) from March 2019.

ONGD17 / UTM zone 41N

Extent: Oman - offshore east of 60°E

```
Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9297')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9297')
```

Replaced ONGD14 / UTM zone 41N projCRS (code 7376) from March 2019.

OSGB36 / British National Grid

Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland). Isle of Man onshore

```
Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::27700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::27700')
```

OSNI 1952 / Irish National Grid

Extent: United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Projected::fromSRID(Projected::EPSG_OSNI_1952_IRISH_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29901')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OSNI_1952_IRISH_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29901')
```

Not used in Republic of Ireland. Replaced in 1975 by TM75 / Irish Grid (CRS code 29903).

Ocotepeque 1935 / Costa Rica Norte

Extent: Costa Rica - onshore north of 9°32'N

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_NORTE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_NORTE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5456')
```

Replaced by Costa Rica 2005 / CTM05 from March 2007.

Ocotepeque 1935 / Costa Rica Sur

Extent: Costa Rica - onshore south of 9°56'N

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_SUR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_SUR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5457')
```

Replaced by Costa Rica 2005 / CTM05 from March 2007.

Ocotepeque 1935 / El Salvador Lambert

Extent: El Salvador - onshore

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_EL_SALVADOR_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_EL_SALVADOR_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5460')
```

Replaced in El Salvador by SIRGAS_ES2007 from August 2007.

Ocotepeque 1935 / Guatemala Norte

Extent: Guatemala - north of 15°51'30"N

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_NORTE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_NORTE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5559')
```

Ocotepeque 1935 / Guatemala Sur

Extent: Guatemala - south of 15°51'30"N

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_SUR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_SUR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5459')
```

Ocotepeque 1935 / Nicaragua Norte

Extent: Nicaragua - onshore north of 12°48'N

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_NORTE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5461')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_NORTE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5461')
```

Ocotepeque 1935 / Nicaragua Sur

Extent: Nicaragua - onshore south of 12°48'N

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_SUR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_SUR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5462')
```

Old Hawaiian / Hawaii zone 1

Extent: United States (USA) - Hawaii - island of Hawaii - onshore

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3561')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3561')
```

Sometimes erroneously referred to as NAD27 / Hawaii zone 1.

Old Hawaiian / Hawaii zone 2

Extent: United States (USA) - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3562')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3562')
```

Sometimes erroneously referred to as NAD27 / Hawaii zone 2.

Old Hawaiian / Hawaii zone 3

Extent: United States (USA) - Hawaii - Oahu - onshore

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3563')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3563')
```

Sometimes erroneously referred to as NAD27 / Hawaii zone 3.

Old Hawaiian / Hawaii zone 4

Extent: United States (USA) - Hawaii - Kauai - onshore

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3564')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3564')
```

Sometimes erroneously referred to as NAD27 / Hawaii zone 4.

Old Hawaiian / Hawaii zone 5

Extent: United States (USA) - Hawaii - Niihau - onshore

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3565')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3565')
```

Sometimes erroneously referred to as NAD27 / Hawaii zone 5.

Ostenfeld reconstruction

Extent: Denmark - onshore northern Schleswig and surrounding islands (i.e. Jutland south of the pre-1920 border near the Kongea river)

```
Projected::fromSRID(Projected::EPSG_OSTENFELD_RECONSTRUCTION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10270')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OSTENFELD_RECONSTRUCTION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10270')
```

A reconstruction in modern terms of the Prussian system Ostenfeld, as it was realized in the post-1920 Danish areas. Defined through transformation ETRS89 to Ostenfeld-IRF (1) (code 10271) together with projection Ostenfeld-reconstruction (code 10269).

OxWo08 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Oxford to Worcester

```
Projected::fromSRID(Projected::EPSG_OXWO08_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_OXWO08_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10235')
```

Defined through transformation ETRS89 to OxWo08-IRF (1) (code 10230) and map projection OxWo08-TM (code 10234). Emulates the OxWo08 Snake projection applied to ETRS89 as realized through OSNet 2009.

PD/83 / 3-degree Gauss-Kruger zone 3

Extent: Germany - Thuringen - west of 10°30'E

```
Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3396')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3396')
```

Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications PD/83 can be considered the same as DHDN. See CRS code 5666 for variant with axes order reversed to easting before northing for use in GIS applications.

PD/83 / 3-degree Gauss-Kruger zone 3 (E-N)

Extent: Germany - Thuringen - west of 10°30'E

```
Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5666')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5666')
```

PD/83 / 3-degree Gauss-Kruger zone 3 (CRS code 3396) but with axis order reversed (and axis abbreviations changed) for GIS applications.

PD/83 / 3-degree Gauss-Kruger zone 4

Extent: Germany - Thuringen - east of 10°30'E

```
Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3397')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3397')
```

Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications PD/83 can be considered the same as DHDN. See CRS code 5667 for variant with axes order reversed to easting before northing for use in GIS applications.

PD/83 / 3-degree Gauss-Kruger zone 4 (E-N)

Extent: Germany - Thuringen - east of 10°30'E

```
Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5667')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5667')
```

PD/83 / 3-degree Gauss-Kruger zone 4 (CRS code 3397) but with axis order reversed (and axis abbreviations changed) for GIS applications.

PN68 / UTM zone 27N

Extent: Spain - Canary Islands - El Hierro onshore west of 18°W

```
Projected::fromSRID(Projected::EPSG_PN68_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PN68_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9404')
```

Replaced by PN84 / UTM zone 27N and then by REGCAN95 / UTM zone 27N (CRS code 3629).

PN68 / UTM zone 28N

Extent: Spain - Canary Islands onshore - El Hierro east of 18°W, Fuerteventura, Gran Canaria, La Gomera, La Palma, Lanzarote and Tenerife

```
Projected::fromSRID(Projected::EPSG_PN68_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PN68_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9405')
```

Replaced by PN84 / UTM zone 28N only on western islands (El Hierro, La Gomera, La Palma and Tenerife). PN84 later replaced by REGCAN95. On eastern islands (Fuerteventura, Gran Canaria and Lanzarote) replaced by REGCAN95 / UTM zone 28N (CRS code 3630).

PN84 / UTM zone 27N

Extent: Spain - Canary Islands - El Hierro onshore west of 18°W

```
Projected::fromSRID(Projected::EPSG_PN84_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PN84_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9406')
```

Replaces PN68 / UTM zone 27N (CRS code 9404). Replaced by REGCAN95 / UTM zone 27N (CRS code 3629).

PN84 / UTM zone 28N

Extent: Spain - Canary Islands onshore - El Hierro east of 18°W, La Gomera, La Palma and Tenerife

```
Projected::fromSRID(Projected::EPSG_PN84_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PN84_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9407')
```

Replaces PN68 / UTM zone 28N (CRS code 9405). Replaced by REGCAN95 / UTM zone 28N (CRS code 3630).

PNG94 / PNGMG94 zone 54

Extent: Papua New Guinea - west of 144°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5550')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5550')
```

PNG94 / PNGMG94 zone 55

Extent: Papua New Guinea - between 144°E and 150°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5551')
```

PNG94 / PNGMG94 zone 56

Extent: Papua New Guinea - between 150°E and 156°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5552')
```

PNG94 / PNGMG94 zone 57

Extent: Papua New Guinea - between 156°E and 162°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9874')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9874')
```

PNG94 / PNGMG94 zone 58

Extent: Papua New Guinea - east of 162°E to EEZ limit

```
Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9875')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9875')
```

POSGAR 2007 / Argentina 1

Extent: Argentina - west of 70°30'W

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5343')
```

Adopted as official replacement of POSGAR 94 / Argentina 1 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 1 as of same date.

POSGAR 2007 / Argentina 2

Extent: Argentina - between 70°30'W and 67°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5344')
```

Adopted as official replacement of POSGAR 94 / Argentina 2 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 2 as of same date.

POSGAR 2007 / Argentina 3

Extent: Argentina - between 67°30'W and 64°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5345')
```

Adopted as official replacement of POSGAR 94 / Argentina 3 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 3 as of same date.

POSGAR 2007 / Argentina 4

Extent: Argentina - between 64°30'W and 61°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5346')
```

Adopted as official replacement of POSGAR 94 / Argentina 4 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 4 as of same date.

POSGAR 2007 / Argentina 5

Extent: Argentina - between 61°30'W and 58°30'W onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5347')
```

Adopted as official replacement of POSGAR 94 / Argentina 5 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 5 as of same date.

POSGAR 2007 / Argentina 6

Extent: Argentina - between 58°30'W and 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5348')
```

Adopted as official replacement of POSGAR 94 / Argentina 6 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 6 as of same date.

POSGAR 2007 / Argentina 7

Extent: Argentina - east of 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5349')
```

Adopted as official replacement of POSGAR 94 / Argentina 7 in May 2009. Also replaces de facto use of POSGAR 98 / Argentina 7 as of same date.

POSGAR 2007 / CABA 2019

Extent: Argentina - autonomous city of Buenos Aires

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_CABA_2019)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9498')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_CABA_2019)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9498')
```

Replaces the “0 de Flores” plane grid of 1919 from May 2020.

POSGAR 2007 / UTM zone 19S

Extent: Argentina - Tierra del Fuego offshore Atlantic west of 66°W

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9265')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_2007_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9265')
```

POSGAR 94 / Argentina 1

Extent: Argentina - west of 70°30’W

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22181')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22181')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 1 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 1 in May 2009.

POSGAR 94 / Argentina 2

Extent: Argentina - between 70°30’W and 67°30’W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22182')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22182')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 2 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 2 in May 2009.

POSGAR 94 / Argentina 3

Extent: Argentina - between 67°30'W and 64°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22183')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22183')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 3 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 3 in May 2009.

POSGAR 94 / Argentina 4

Extent: Argentina - between 64°30'W and 61°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22184')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22184')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 4 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 4 in May 2009.

POSGAR 94 / Argentina 5

Extent: Argentina - between 61°30'W and 58°30'W onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22185')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22185')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 5 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 5 in May 2009.

POSGAR 94 / Argentina 6

Extent: Argentina - between 58°30'W and 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22186')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22186')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 6 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 6 in May 2009.

POSGAR 94 / Argentina 7

Extent: Argentina - east of 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22187')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22187')
```

Legally adopted in May 1997. Replaced by POSGAR 98 / Argentina 7 for scientific and many practical purposes until May 2009. Officially replaced by POSGAR 2007 / Argentina 7 in May 2009.

POSGAR 98 / Argentina 1

Extent: Argentina - west of 70°30'W

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22171')
```

Replaced POSGAR 94 / Argentina 1 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 1 was officially replaced by POSGAR 2007 / Argentina 1 in May 2009.

POSGAR 98 / Argentina 2

Extent: Argentina - between 70°30'W and 67°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22172')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22172')
```

Replaced POSGAR 94 / Argentina 2 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 2 was officially replaced by POSGAR 2007 / Argentina 2 in May 2009.

POSGAR 98 / Argentina 3

Extent: Argentina - between 67°30'W and 64°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22173')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22173')
```

Replaced POSGAR 94 / Argentina 3 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 3 was officially replaced by POSGAR 2007 / Argentina 3 in May 2009.

POSGAR 98 / Argentina 4

Extent: Argentina - between 64°30'W and 61°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22174')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22174')
```

Replaced POSGAR 94 / Argentina 4 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 4 was officially replaced by POSGAR 2007 / Argentina 4 in May 2009.

POSGAR 98 / Argentina 5

Extent: Argentina - between 61°30'W and 58°30'W onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22175')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22175')
```

Replaced POSGAR 94 / Argentina 5 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 5 was officially replaced by POSGAR 2007 / Argentina 5 in May 2009.

POSGAR 98 / Argentina 6

Extent: Argentina - between 58°30'W and 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22176')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22176')
```

Replaced POSGAR 94 / Argentina 6 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 6 was officially replaced by POSGAR 2007 / Argentina 6 in May 2009.

POSGAR 98 / Argentina 7

Extent: Argentina - east of 55°30'W, onshore

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22177')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22177')
```

Replaced POSGAR 94 / Argentina 7 for many practical purposes (but not as the legal system) until May 2009. POSGAR 94 / Argentina 7 was officially replaced by POSGAR 2007 / Argentina 7 in May 2009.

PRS92 / Philippines zone 1

Extent: Philippines - west of 118°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3121')
```

Replaces Luzon 1911 / Philippines zone I (CRS code 25391).

PRS92 / Philippines zone 2

Extent: Philippines - approximately between 118°E and 120°E - Palawan; Calamian Islands - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3122')
```

Replaces Luzon 1911 / Philippines zone II (CRS code 25392).

PRS92 / Philippines zone 3

Extent: Philippines - approximately between 120°E and 122°E, onshore and offshore. Luzon (west of 122°E); Mindoro

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3123')
```

Replaces Luzon 1911 / Philippines zone III (CRS code 25393).

PRS92 / Philippines zone 4

Extent: Philippines - approximately between 122°E and 124°E onshore and offshore - southeast Luzon (east of 122°E); Tablas; Masbate; Panay; Cebu; Negros; west Mindanao (west of 122°E)

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3124')
```

Replaces Luzon 1911 / Philippines zone IV (CRS code 25394).

PRS92 / Philippines zone 5

Extent: Philippines - approximately between 124°E and 126°E, onshore and offshore - east Mindanao (east of 124°E); Bohol; Samar

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3125')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3125')
```

Replaces Luzon 1911 / Philippines zone V (CRS code 25395).

PSAD56 / ICN Regional

Extent: Venezuela - onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_ICN_REGIONAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_ICN_REGIONAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2317')
```

PSAD56 / Peru central zone

Extent: Peru - between 79°W and 73°W, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_PERU_CENTRAL_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24892')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_PERU_CENTRAL_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24892')
```

PSAD56 / Peru east zone

Extent: Peru - east of 73°W, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_PERU_EAST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24893')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_PERU_EAST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24893')
```

PSAD56 / Peru west zone

Extent: Peru - west of 79°W

```
Projected::fromSRID(Projected::EPSG_PSAD56_PERU_WEST_ZONE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24891')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_PERU_WEST_ZONE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24891')
```

PSAD56 / UTM zone 17N

Extent: South America (Ecuador) between 84°W and 78°W, northern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24817')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24817')
```

PSAD56 / UTM zone 17S

Extent: South America (Ecuador and Peru) between 84°W and 78°W, southern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24877')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24877')
```

PSAD56 / UTM zone 18N

Extent: South America (Ecuador; Venezuela) between 78°W and 72°W, northern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24818')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24818')
```

In Venezuela also known as La Canoa / UTM zone 18N.

PSAD56 / UTM zone 18S

Extent: South America (Chile - north of 45°S; Ecuador; Peru) between 78°W and 72°W, southern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24878')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24878')
```

PSAD56 / UTM zone 19N

Extent: South America (Aruba; Bonaire; Curacao; Venezuela) between 72°W and 66°W, northern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24819')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24819')
```

In Venezuela also known as La Canoa / UTM zone 19N.

PSAD56 / UTM zone 19S

Extent: South America (Bolivia; Chile - north of 45°S; Peru) between 72°W and 66°W, southern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24879')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24879')
```

PSAD56 / UTM zone 20N

Extent: South America (Guyana; Venezuela) onshore between 66°W and 60°W, northern hemisphere

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24820')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24820')
```

In Venezuela also known as La Canoa / UTM zone 20N.

PSAD56 / UTM zone 20S

Extent: Bolivia between 66°W and 60°W

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24880')
```

PSAD56 / UTM zone 21N

Extent: South America (Guyana) onshore between 60°W and 54°W, northern hemisphere

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24821')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24821')
```

PSAD56 / UTM zone 21S

Extent: Bolivia - east of 60°W

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24881')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24881')
```

PSAD56 / UTM zone 22S

Extent: Brazil - offshore shelf - Amazon cone

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::24882')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::24882')
```

PSD93 / UTM zone 39N

Extent: Oman - onshore west of 54°E

```
Projected::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3439')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3439')
```

Replaced Fahud / UTM zone 39N projCRS (code 23239) in 1993. Maximum differences to Fahud adjustment are 20 metres.

PSD93 / UTM zone 40N

Extent: Oman - onshore east of 54°E. Includes Musandam and the Kuria Muria (Al Hallaniyah) islands

```
Projected::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3440')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3440')
```

Replaced Fahud / UTM zone 40N projCRS (code 23240) in 1993. Maximum differences to Fahud adjustment are 20 metres.

PTRA08 / LAEA Europe

Extent: Portugal - Azores and Madeira island groups and surrounding EEZ - Flores, Corvo; Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel, Santa Maria; Madeira, Porto Santo, Desertas; Selvagens

```
Projected::fromSRID(Projected::EPSG_PTRA08_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5633')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PTRA08_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5633')
```

At applicable scales and usages, may be considered consistent with ETRS89-extended / LAEA Europe (CRS code 3035): see CT 9045.

PTRA08 / LCC Europe

Extent: Portugal - Azores and Madeira island groups and surrounding EEZ - Flores, Corvo; Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel, Santa Maria; Madeira, Porto Santo, Desertas; Selvagens

```
Projected::fromSRID(Projected::EPSG_PTRA08_LCC_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PTRA08_LCC_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5632')
```

At applicable scales (1:500,000 and smaller) may be considered consistent with ETRS89-extended / LCC Europe (CRS code 3034): see CT 9046.

PTRA08 / UTM zone 25N

Extent: Portugal - west of 30°W - western Azores - Flores and Corvo islands and surrounding EEZ

```
Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_25N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_25N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5014')
```

Replaces Azores Occidental 1939 / UTM zone 25N (CRS code 2188).

PTRA08 / UTM zone 26N

Extent: Portugal - between 30°W and 24°W - central and eastern Azores - Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel and Santa Maria islands and surrounding EEZ

```
Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5015')
```

Replaces Azores Oriental 1995 / UTM zone 26N and Azores Central 1995 / UTM zone 26N (CRS codes 3062-63).

PTRA08 / UTM zone 28N

Extent: Portugal - Madeira, Porto Santo, Desertas and Selvagens islands and surrounding EEZ east of 18°W

```
Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5016')
```

Replaces Porto Santo 1995 / UTM zone 28N (CRS code 3061).

Palestine 1923 / Israeli CS Grid

Extent: Israel - onshore; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_ISRAELI_CS_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PALESTINE_1923_ISRAELI_CS_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28193')
```

See projection remarks. Replaced by Israeli TM Grid (EPSG code 2039).

Palestine 1923 / Palestine Belt

Extent: Israel - onshore; Jordan; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28192')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28192')
```

See projection remarks. Also found without 1 million added to FN: see CRS code 7142.

Palestine 1923 / Palestine Grid

Extent: Israel - onshore; Jordan; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28191')
```

Replaced by CRS 28192 (AMS use) and 28193 (in Israel).

Palestine 1923 / Palestine Grid modified

Extent: Israel - onshore; Jordan; Palestine Territory - onshore

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID_MODIFIED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7142')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID_
↪MODIFIED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7142')
```

See projection remarks. Also found with 1 million added to FN: see CRS code 28192.

Pampa del Castillo / Argentina 1

Extent: Argentina - Chibut province west of 70°30'W and south of approximately 44°55'S and Santa Cruz province west of 70°30'W and north of approximately 50°20'S

```
Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9284')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9284')
```

Replaced by Campo Inchauspe / Argentina 1 (CRS code 22191) for topographic mapping, but use continues for oil exploration and production in Golfo San Jorge basin (44°S to 47.5°S).

Pampa del Castillo / Argentina 2

Extent: Argentina - Chibut province between 70°30'W and 67°30'W and south of approximately 42°30'S and Santa Cruz province between 70°30'W and 67°30'W and north of approximately 50°20'S

```
Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2082')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2082')
```

Replaced by Campo Inchauspe / Argentina 2 (CRS code 22192) for topographic mapping, but use continues for oil exploration and production in Golfo San Jorge basin (44°S to 47.5°S).

Pampa del Castillo / Argentina 3

Extent: Argentina - Chibut province east of 67°30'W and south of approximately 43°35'S and Santa Cruz province east of 67°30'W and north of approximately 49°23'S

```
Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9285')
```

Replaced by Campo Inchauspe / Argentina 3 (CRS code 22193) for topographic mapping, but use continues for oil exploration and production in Golfo San Jorge basin (44°S to 47.5°S).

Panama-Colon 1911 / Panama Lambert

Extent: Panama - onshore

```
Projected::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5469')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5469')
```

Replaces Panama-Colon / Panama Polyconic from 1940s.

Panama-Colon 1911 / Panama Polyconic

Extent: Panama - onshore

```
Projected::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_POLYCONIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5472')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_POLYCONIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5472')
```

Replaced by Panama-Colon / Panama Lambert from 1940s.

Perroud 1950 / Terre Adelie Polar Stereographic

Extent: Antarctica - Adelie Land - coastal area between 136°E and 142°E

```
Projected::fromSRID(Projected::EPSG_PERROUD_1950_TERRE_ADELIE_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2986')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PERROUD_1950_TERRE_ADELIE_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2986')
```

Replaced by RGTAAF07 / Terre Adelie Polar Stereographic (CRS code 7082).

Peru96 / UTM zone 17S

Extent: Peru - between 84°W and 78°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5839')
```

Peru96 / UTM zone 18S

Extent: Peru - between 78°W and 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5387')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5387')
```

Peru96 / UTM zone 19S

Extent: Peru - east of 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5389')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5389')
```

Petrels 1972 / Terre Adelie Polar Stereographic

Extent: Antarctica - Adelie Land - Petrels island

```
Projected::fromSRID(Projected::EPSG_PETRELS_1972_TERRE_ADELIE_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2985')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PETRELS_1972_TERRE_ADELIE_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2985')
```

Replaced by RGTAAF07 / Terre Adelie Polar Stereographic (CRS code 7082).

Pitcairn 1967 / UTM zone 9S

Extent: Pitcairn - Pitcairn Island

```
Projected::fromSRID(Projected::EPSG_PITCAIRN_1967_UTM_ZONE_9S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3784')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PITCAIRN_1967_UTM_ZONE_9S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3784')
```

Replaced by Pitcairn 2006 / Pitcairn TM 2006 (CRS code 3783).

Pitcairn 2006 / Pitcairn TM 2006

Extent: Pitcairn - Pitcairn Island

```
Projected::fromSRID(Projected::EPSG_PITCAIRN_2006_PITCAIRN_TM_2006)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3783')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PITCAIRN_2006_PITCAIRN_TM_2006)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3783')
```

Replaces Pitcairn 1967 / UTM zone 9S (CRS code 3784). For practical purposes may be considered to be WGS 84 / Pitcairn TM 2006.

Pointe Noire / UTM zone 32S

Extent: Congo - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_POINTE_NOIRE_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_POINTE_NOIRE_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28232')
```

Porto Santo / UTM zone 28N

Extent: Portugal - Madeira, Porto Santo and Desertas islands - onshore

```
Projected::fromSRID(Projected::EPSG_PORTO_SANTO_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2942')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PORTO_SANTO_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2942')
```

Porto Santo 1995 / UTM zone 28N

Extent: Portugal - Madeira, Porto Santo and Desertas islands - onshore

```
Projected::fromSRID(Projected::EPSG_PORTO_SANTO_1995_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3061')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PORTO_SANTO_1995_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3061')
```

Replaced by PTRA08 / UTM zone 28N (CRS code 5016).

Puerto Rico / St. Croix

Extent: US Virgin Islands - onshore - St Croix, St John, and St Thomas

```
Projected::fromSRID(Projected::EPSG_PUERTO_RICO_ST_CROIX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PUERTO_RICO_ST_CROIX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3992')
```

Sometimes erroneously referred to as NAD27 / St. Croix State Plane CS.

Puerto Rico / UTM zone 20N

Extent: British Virgin Islands - onshore - Anegada, Jost Van Dyke, Tortola, and Virgin Gorda

```
Projected::fromSRID(Projected::EPSG_PUERTO_RICO_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3920')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PUERTO_RICO_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3920')
```

NAD27 / UTM zone 20N (code 26720) used for military purposes. In 2002 replaced by NAD83 / UTM zone 20N (CRS code 26920).

Puerto Rico State Plane CS of 1927

Extent: Puerto Rico - onshore

```
Projected::fromSRID(Projected::EPSG_PUERTO_RICO_STATE_PLANE_CS_OF_1927)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PUERTO_RICO_STATE_PLANE_CS_OF_1927)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3991')
```

Sometimes erroneously referred to as NAD27 / Puerto Rico State Plane CS.

Pulkovo 1942 / 3-degree Gauss-Kruger CM 102E

Extent: Russian Federation - onshore between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2610')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2610')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 34 (code 2551).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 105E

Extent: Russian Federation - onshore between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2611')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2611')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 35 (code 2552).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 108E

Extent: Russian Federation - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2612')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2612')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 36 (code 2553).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 111E

Extent: Russian Federation - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2613')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2613')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 37 (code 2554).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 114E

Extent: Russian Federation - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2614')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2614')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 38 (code 2555).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 117E

Extent: Russian Federation - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2615')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2615')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 39 (code 2556).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 120E

Extent: Russian Federation - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2616')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2616')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 40 (code 2557).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 123E

Extent: Russian Federation - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2617')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2617')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 41 (code 2558).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 126E

Extent: Russian Federation - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2618')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2618')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 42 (code 2559).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 129E

Extent: Russian Federation - onshore between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2619')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2619')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 43 (code 2560).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 132E

Extent: Russian Federation - onshore between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2620')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2620')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 44 (code 2561).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 135E

Extent: Russian Federation - onshore between 133°30'E and 136°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2621')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2621')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 45 (code 2562).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 138E

Extent: Russian Federation - onshore between 136°30'E and 139°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_138E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2622')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_138E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2622')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 46 (code 2563).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 141E

Extent: Russian Federation - onshore between 139°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_141E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2623')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_141E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2623')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 47 (code 2564).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 144E

Extent: Russian Federation - onshore between 142°30'E and 145°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_144E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2624')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_144E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2624')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 48 (code 2565).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 147E

Extent: Russian Federation - onshore between 145°30'E and 148°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_147E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2625')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_147E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2625')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 49 (code 2566).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 150E

Extent: Russian Federation - onshore between 148°30'E and 151°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_150E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2626')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_150E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2626')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 50 (code 2567).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 153E

Extent: Russian Federation - onshore between 151°30'E and 154°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_153E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2627')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_153E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2627')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 51 (code 2568).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 156E

Extent: Russian Federation - onshore between 154°30'E and 157°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_156E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2628')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_156E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2628')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 52 (code 2569).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 159E

Extent: Russian Federation - onshore between 157°30'E and 160°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_159E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2629')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_159E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2629')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 53 (code 2570).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 162E

Extent: Russian Federation - onshore between 160°30'E and 163°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_162E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2630')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_162E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2630')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 54 (code 2571).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 165E

Extent: Russian Federation - onshore between 163°30'E and 166°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_165E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2631')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_165E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2631')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 55 (code 2572).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 168E

Extent: Russian Federation - onshore between 166°30'E and 169°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_168E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_168E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2632')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 56 (code 2573).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 168W

Extent: Russian Federation - onshore between 169°30'W and 166°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_168W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2640')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_168W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2640')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 64 (code 2581).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 171E

Extent: Russian Federation - onshore between 169°30'E and 172°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_171E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2633')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_171E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2633')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 57 (code 2574).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 171W

Extent: Russian Federation - onshore between 172°30'W and 169°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_171W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2639')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_171W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2639')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 63 (code 2580).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 174E

Extent: Russian Federation - onshore between 172°30'E and 175°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_174E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2634')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_174E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2634')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 58 (code 2575).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 174W

Extent: Russian Federation - onshore between 175°30'W and 172°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_174W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2638')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_174W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2638')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 62 (code 2579).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 177E

Extent: Russian Federation - onshore between 175°30'E and 178°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_177E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2635')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_177E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2635')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 59 (code 2576).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 177W

Extent: Russian Federation - onshore between 178°30'W and 175°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_177W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2637')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_177W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2637')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 61 (code 2578).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 180E

Extent: Russian Federation - onshore between 178°30'E and 178°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_180E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2636')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_180E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2636')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 60 (code 3389).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 21E

Extent: Estonia, Latvia, Lithuania, Russian Federation (Kaliningrad) and Ukraine - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2582')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2582')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 7 (code 2523).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 24E

Extent: Belarus, Estonia, Latvia, Lithuania, Russian Federation (Kaliningrad) and Ukraine - onshore between 22°30'E and 25°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_24E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2583')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_24E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2583')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 8 (code 2524).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 27E

Extent: Belarus, Estonia, Latvia, Lithuania, Moldova, Russian Federation and Ukraine - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2584')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
```

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```
↪CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2584')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 9 (code 2525).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 30E

Extent: Belarus, Moldova, Russian Federation and Ukraine - onshore between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_30E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2585')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_30E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2585')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 10 (code 2526).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 33E

Extent: Belarus, Russian Federation and Ukraine - onshore between 31°30'E and 34°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2586')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2586')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 11 (code 2527).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 36E

Extent: Russian Federation and Ukraine - onshore between 34°30'E and 37°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_36E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2587')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_36E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2587')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 12 (code 2528).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 39E

Extent: Georgia, Russian Federation and Ukraine - onshore between 37°30'E and 40°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2588')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2588')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 13 (code 2529).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 42E

Extent: Georgia, Russian Federation - onshore between 40°30'E and 43°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_42E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2589')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_42E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2589')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 14 (code 2530).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 45E

Extent: Armenia, Azerbaijan, Georgia and Russian Federation onshore - between 43°30'E and 46°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_45E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2590')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_45E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2590')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 15 (code 2531).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 48E

Extent: Azerbaijan, Georgia, Kazakhstan and Russian Federation onshore - between 46°30'E and 49°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_48E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2591')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_48E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2591')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 16 (code 2532).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 51E

Extent: Azerbaijan, Kazakhstan and Russian Federation onshore - between 49°30'E and 52°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_51E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2592')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_51E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2592')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 17 (code 2533).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 54E

Extent: Kazakhstan, Russian Federation onshore and Turkmenistan - between 52°30'E and 55°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_54E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2593')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_54E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2593')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 18 (code 2534).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 57E

Extent: Kazakhstan, Russian Federation onshore, Turkmenistan and Uzbekistan - between 55°30'E and 58°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_57E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2594')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_57E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2594')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 19 (code 2535).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 60E

Extent: Kazakhstan, Russian Federation onshore, Turkmenistan and Uzbekistan - between 58°30'E and 61°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_60E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2595')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_60E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2595')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 20 (code 2536).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 63E

Extent: Kazakhstan, Russian Federation onshore, Turkmenistan and Uzbekistan - between 61°30'E and 64°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_63E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2596')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_63E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2596')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 21 (code 2537).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 66E

Extent: Kazakhstan, Russian Federation onshore, Tajikistan, Turkmenistan and Uzbekistan - between 64°30'E and 67°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_66E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2597')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_66E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2597')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 22 (code 2538).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 69E

Extent: Kazakhstan, Kyrgyzstan, Russian Federation onshore, Tajikistan and Uzbekistan - between 67°30'E and 70°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_69E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2598')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_69E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2598')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 23 (code 2539).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 72E

Extent: Kazakhstan, Kyrgyzstan, Russian Federation onshore, Tajikistan and Uzbekistan - between 70°30'E and 73°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_72E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2599')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
```

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```
↪CM_72E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2599')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 24 (code 2540).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 75E

Extent: Kazakhstan, Kyrgyzstan, Russian Federation onshore and Tajikistan - between 73°30'E and 76°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2601')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2601')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 25 (code 2541).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 78E

Extent: Kazakhstan, Kyrgyzstan and Russian Federation onshore - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2602')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2602')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 26 (code 2542).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 81E

Extent: Kazakhstan, Kyrgyzstan and Russian Federation onshore - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2603')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2603')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 27 (code 2543).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 84E

Extent: Kazakhstan and Russian Federation onshore - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2604')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2604')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 28 (code 2544).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 87E

Extent: Kazakhstan and Russian Federation onshore - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2605')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2605')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 29 (code 2545).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 90E

Extent: Russian Federation - onshore between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2606')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2606')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 30 (code 2546).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 93E

Extent: Russian Federation - onshore between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2607')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2607')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 31 (code 2547).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 96E

Extent: Russian Federation - onshore between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2608')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2608')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 32 (code 2548).

Pulkovo 1942 / 3-degree Gauss-Kruger CM 99E

Extent: Russian Federation - onshore between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2609')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2609')
```

Truncated form of Pulkovo 1942 / 3-degree Gauss-Kruger zone 33 (code 2549).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 10

Extent: Belarus, Moldova, Russian Federation and Ukraine - onshore between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2526')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2526')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 30E (code 2585).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 11

Extent: Belarus, Russian Federation and Ukraine - onshore between 31°30'E and 34°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2527')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2527')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 33E (code 2586).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 12

Extent: Russian Federation and Ukraine - onshore between 34°30'E and 37°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2528')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 36E (code 2587).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 13

Extent: Georgia, Russian Federation and Ukraine - onshore between 37°30'E and 40°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2529')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 39E (code 2588).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 14

Extent: Georgia, Russian Federation - onshore between 40°30'E and 43°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2530')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 42E (code 2589).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 15

Extent: Armenia, Azerbaijan, Georgia and Russian Federation onshore - between 43°30'E and 46°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2531')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 45E (code 2590).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 16

Extent: Azerbaijan, Georgia, Kazakhstan and Russian Federation onshore - between 46°30'E and 49°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2532')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2532')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 48E (code 2591).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 17

Extent: Azerbaijan, Kazakhstan and Russian Federation onshore - between 49°30'E and 52°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2533')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 51E (code 2592).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 18

Extent: Kazakhstan, Russian Federation onshore and Turkmenistan - between 52°30'E and 55°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2534')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 54E (code 2593).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 19

Extent: Kazakhstan, Russian Federation onshore, Turkmenistan and Uzbekistan - between 55°30'E and 58°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2535')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 57E (code 2594).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 20

Extent: Kazakhstan, Russian Federation onshore, Turkmenistan and Uzbekistan - between 58°30'E and 61°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2536')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 60E (code 2595).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 21

Extent: Kazakhstan, Russian Federation onshore, Turkmenistan and Uzbekistan - between 61°30'E and 64°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2537')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 63E (code 2596).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 22

Extent: Kazakhstan, Russian Federation onshore, Tajikistan, Turkmenistan and Uzbekistan - between 64°30'E and 67°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2538')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 66E (code 2597).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 23

Extent: Kazakhstan, Kyrgyzstan, Russian Federation onshore, Tajikistan and Uzbekistan - between 67°30'E and 70°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
```

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```
↪ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2539')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 69E (code 2598).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 24

Extent: Kazakhstan, Kyrgyzstan, Russian Federation onshore, Tajikistan and Uzbekistan - between 70°30'E and 73°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2540')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 72E (code 2599).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 25

Extent: Kazakhstan, Kyrgyzstan, Russian Federation onshore and Tajikistan - between 73°30'E and 76°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2541')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2541')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 75E (code 2601).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 26

Extent: Kazakhstan, Kyrgyzstan and Russian Federation onshore - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2542')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2542')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 78E (code 2602).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 27

Extent: Kazakhstan, Kyrgyzstan and Russian Federation onshore - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2543')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2543')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 81E (code 2603).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 28

Extent: Kazakhstan and Russian Federation onshore - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2544')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2544')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 84E (code 2604).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 29

Extent: Kazakhstan and Russian Federation onshore - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2545')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2545')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 87E (code 2605).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 30

Extent: Russian Federation - onshore between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2546')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2546')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 90E (code 2606).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 31

Extent: Russian Federation - onshore between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2547')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 93E (code 2607).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 32

Extent: Russian Federation - onshore between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2548')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 96E (code 2608).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 33

Extent: Russian Federation - onshore between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2549')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 99E (code 2609).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 34

Extent: Russian Federation - onshore between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2551')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 102E (code 2610).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 35

Extent: Russian Federation - onshore between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2552')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 105E (code 2611).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 36

Extent: Russian Federation - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2553')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2553')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 108E (code 2612).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 37

Extent: Russian Federation - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2554')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2554')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 111E (code 2613).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 38

Extent: Russian Federation - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2555')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2555')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 114E (code 2614).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 39

Extent: Russian Federation - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2556')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2556')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 117E (code 2615).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 40

Extent: Russian Federation - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2557')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2557')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 120E (code 2616).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 41

Extent: Russian Federation - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2558')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2558')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 123E (code 2617).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 42

Extent: Russian Federation - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2559')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 126E (code 2618).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 43

Extent: Russian Federation - onshore between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2560')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2560')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 129E (code 2619).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 44

Extent: Russian Federation - onshore between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2561')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2561')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 132E (code 2620).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 45

Extent: Russian Federation - onshore between 133°30'E and 136°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2562')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2562')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 135E (code 2621).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 46

Extent: Russian Federation - onshore between 136°30'E and 139°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2563')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2563')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 138E (code 2622).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 47

Extent: Russian Federation - onshore between 139°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2564')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2564')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 141E (code 2623).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 48

Extent: Russian Federation - onshore between 142°30'E and 145°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2565')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2565')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 144E (code 2624).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 49

Extent: Russian Federation - onshore between 145°30'E and 148°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2566')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2566')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 147E (code 2625).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 50

Extent: Russian Federation - onshore between 148°30'E and 151°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2567')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2567')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 150E (code 2626).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 51

Extent: Russian Federation - onshore between 151°30'E and 154°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2568')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2568')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 153E (code 2627).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 52

Extent: Russian Federation - onshore between 154°30'E and 157°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2569')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2569')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 156E (code 2628).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 53

Extent: Russian Federation - onshore between 157°30'E and 160°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2570')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2570')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 159E (code 2629).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 54

Extent: Russian Federation - onshore between 160°30'E and 163°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2571')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2571')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 162E (code 2630).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 55

Extent: Russian Federation - onshore between 163°30'E and 166°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2572')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2572')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 165E (code 2631).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 56

Extent: Russian Federation - onshore between 166°30'E and 169°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2573')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2573')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 168E (code 2632).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 57

Extent: Russian Federation - onshore between 169°30'E and 172°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2574')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2574')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 171E (code 2633).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 58

Extent: Russian Federation - onshore between 172°30'E and 175°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2575')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2575')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 174E (code 2634).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 59

Extent: Russian Federation - onshore between 175°30'E and 178°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_59)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2576')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_59)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2576')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 177E (code 2635).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 60

Extent: Russian Federation - onshore between 178°30'E and 178°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3389')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3389')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 180E (code 2636).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 61

Extent: Russian Federation - onshore between 178°30'W and 175°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_61)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2578')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_61)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2578')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 177W (code 2637).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 62

Extent: Russian Federation - onshore between 175°30'W and 172°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_62)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2579')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_62)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2579')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 174W (code 2638).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 63

Extent: Russian Federation - onshore between 172°30'W and 169°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_63)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2580')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_63)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2580')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 171W (code 2639).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 64

Extent: Russian Federation - onshore between 169°30'W and 166°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_64)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2581')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_64)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2581')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 168W (code 2640).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 7

Extent: Estonia, Latvia, Lithuania, Russian Federation (Kaliningrad) and Ukraine - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2523')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 21E (code 2582).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 8

Extent: Belarus, Estonia, Latvia, Lithuania, Russian Federation (Kaliningrad) and Ukraine - onshore between 22°30'E and 25°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
```

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```
↪ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2524')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 24E (code 2583).

Pulkovo 1942 / 3-degree Gauss-Kruger zone 9

Extent: Belarus, Estonia, Latvia, Lithuania, Moldova, Russian Federation and Ukraine - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2525')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_
↪ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2525')
```

Also found with truncated false easting - see Pulkovo 1942 / 3-degree Gauss-Kruger CM 27E (code 2584).

Pulkovo 1942 / CS63 zone A1

Extent: Armenia and Georgia onshore west of 43°02'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2935')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2935')
```

Pulkovo 1942 / CS63 zone A2

Extent: Armenia and Georgia between 43°02'E and 46°02'E; Azerbaijan west of 46°02'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2936')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2936')
```

Pulkovo 1942 / CS63 zone A3

Extent: Armenia and Georgia east of 46°02'E; Azerbaijan between 46°02' and 49°02'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2937')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2937')
```

Pulkovo 1942 / CS63 zone A4

Extent: Azerbaijan east of 49°02'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2938')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2938')
```

Pulkovo 1942 / CS63 zone C0

Extent: Estonia, Latvia and Lithuania - onshore west of 23°27'E. Russia - Kaliningrad onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C0)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C0)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3350')
```

Pulkovo 1942 / CS63 zone C1

Extent: Estonia, Latvia and Lithuania - onshore between 23°27'E and 26°27'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3351')
```

Pulkovo 1942 / CS63 zone C2

Extent: Estonia, Latvia and Lithuania - onshore east of 26°27'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3352')
```

Pulkovo 1942 / CS63 zone K2

Extent: Kazakhstan between 49°16'E and 52°16'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2939')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2939')
```

Pulkovo 1942 / CS63 zone K3

Extent: Kazakhstan between 52°16'E and 55°16'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2940')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2940')
```

Pulkovo 1942 / CS63 zone K4

Extent: Kazakhstan between 55°16'E and 58°16'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2941')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2941')
```

Pulkovo 1942 / CS63 zone X1

Extent: Ukraine - west of 25°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7825')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7825')
```

Pulkovo 1942 / CS63 zone X2

Extent: Ukraine - between 25°E and 28°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7826')
```

Pulkovo 1942 / CS63 zone X3

Extent: Ukraine - between 28°E and 31°E, onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7827')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7827')
```

Pulkovo 1942 / CS63 zone X4

Extent: Ukraine - between 31°E and 34°E, onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7828')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7828')
```

Pulkovo 1942 / CS63 zone X5

Extent: Ukraine - between 34°E and 37°E, onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7829')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7829')
```

Pulkovo 1942 / CS63 zone X6

Extent: Ukraine - between 37°E and 40°E, onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7830')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7830')
```

Pulkovo 1942 / CS63 zone X7

Extent: Ukraine - east of 40°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7831')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7831')
```

Pulkovo 1942 / Caspian Sea Mercator

Extent: Azerbaijan - offshore; Kazakhstan - offshore; Russian Federation - Caspian Sea; Turkmenistan - offshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CASPIAN_SEA_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3388')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_CASPIAN_SEA_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3388')
```

Pulkovo 1942 / Gauss-Kruger CM 105E

Extent: Russian Federation - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2508')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2508')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 18 (code 28418).

Pulkovo 1942 / Gauss-Kruger CM 111E

Extent: Russian Federation - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2509')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2509')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 19 (code 28419).

Pulkovo 1942 / Gauss-Kruger CM 117E

Extent: Russian Federation - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2510')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2510')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 20 (code 28420).

Pulkovo 1942 / Gauss-Kruger CM 123E

Extent: Russian Federation - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2511')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2511')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 21 (code 28421).

Pulkovo 1942 / Gauss-Kruger CM 129E

Extent: Russian Federation - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2512')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2512')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 22 (code 28422).

Pulkovo 1942 / Gauss-Kruger CM 135E

Extent: Russian Federation - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2513')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2513')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 23 (code 28423).

Pulkovo 1942 / Gauss-Kruger CM 141E

Extent: Russian Federation - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_141E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2514')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_141E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2514')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 24 (code 28424).

Pulkovo 1942 / Gauss-Kruger CM 147E

Extent: Russian Federation - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_147E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2515')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_147E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2515')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 25 (code 28425).

Pulkovo 1942 / Gauss-Kruger CM 153E

Extent: Russian Federation - onshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_153E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2516')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_153E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2516')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 26 (code 28426).

Pulkovo 1942 / Gauss-Kruger CM 159E

Extent: Russian Federation - onshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_159E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2517')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_159E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2517')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 27 (code 28427).

Pulkovo 1942 / Gauss-Kruger CM 165E

Extent: Russian Federation - onshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_165E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_165E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2518')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 28 (code 28428).

Pulkovo 1942 / Gauss-Kruger CM 171E

Extent: Russian Federation - onshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2519')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 29 (code 28429).

Pulkovo 1942 / Gauss-Kruger CM 171W

Extent: Russian Federation - onshore east of 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2522')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 32 (code 28432).

Pulkovo 1942 / Gauss-Kruger CM 177E

Extent: Russian Federation - onshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2520')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 30 (code 28430).

Pulkovo 1942 / Gauss-Kruger CM 177W

Extent: Russian Federation - onshore between 180°E and 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2521')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 31 (code 28431).

Pulkovo 1942 / Gauss-Kruger CM 21E

Extent: Belarus, Estonia, Latvia, Lithuania and Ukraine - onshore west of 24°E. Russian Federation - Kaliningrad onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2494')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2494')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 4 (code 28404).

Pulkovo 1942 / Gauss-Kruger CM 27E

Extent: Estonia; Latvia and Lithuania - onshore east of 24°E; Belarus, Moldova, Russian Federation and Ukraine - onshore 24°E to 30°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2495')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2495')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 5 (code 28405).

Pulkovo 1942 / Gauss-Kruger CM 33E

Extent: Belarus and Moldova - east of 30°E; Russian Federation and Ukraine - onshore 30°E to 36°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2496')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2496')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 6 (code 28406).

Pulkovo 1942 / Gauss-Kruger CM 39E

Extent: Georgia - onshore west of 36°E; Russian Federation - onshore 36°E to 42°E; Ukraine - onshore east of 36°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2497')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2497')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 7 (code 28407).

Pulkovo 1942 / Gauss-Kruger CM 45E

Extent: Armenia - west of 48°E; Azerbaijan - west of 48°E; Georgia - east of 42°E; Kazakhstan - west of 48°E; Russian Federation - onshore 42°E to 48°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_45E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2498')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_45E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2498')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 8 (code 28408).

Pulkovo 1942 / Gauss-Kruger CM 51E

Extent: Azerbaijan - east of 48°E; Kazakhstan - 48°E to 54°E; Russian Federation - 48°E to 54°E; Turkmenistan - west of 54°E. Includes Caspian Sea (considered a lake rather than offshore)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_51E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2499')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_51E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2499')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 9 (code 28409).

Pulkovo 1942 / Gauss-Kruger CM 57E

Extent: Kazakhstan; Russian Federation - onshore; Turkmenistan - 54°E to 60°E; Uzbekistan - west of 60°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_57E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2500')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_57E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2500')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 10 (code 28410).

Pulkovo 1942 / Gauss-Kruger CM 63E

Extent: Kazakhstan; Russian Federation - onshore; Uzbekistan - 60°E to 66°E; Turkmenistan - east of 60°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_63E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2501')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_63E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2501')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 11 (code 28411).

Pulkovo 1942 / Gauss-Kruger CM 69E

Extent: Kazakhstan, Russian Federation onshore and Uzbekistan - 66°E to 72°E; Kyrgyzstan and Tajikistan - west of 72°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_69E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2502')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_69E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2502')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 12 (code 28412).

Pulkovo 1942 / Gauss-Kruger CM 75E

Extent: Kazakhstan; Kyrgyzstan; Russian Federation onshore - 72°E to 78°E; Tajikistan and Uzbekistan - east of 72°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2503')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2503')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 13 (code 28413).

Pulkovo 1942 / Gauss-Kruger CM 81E

Extent: Kazakhstan and Russian Federation onshore - 78°E to 84°E; Kyrgyzstan - east of 78°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2504')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2504')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 14 (code 28414).

Pulkovo 1942 / Gauss-Kruger CM 87E

Extent: Kazakhstan - east of 84°E; Russian Federation - onshore 84°E to 90°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2505')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2505')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 15 (code 28415).

Pulkovo 1942 / Gauss-Kruger CM 93E

Extent: Russian Federation - onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2506')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2506')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 16 (code 28416).

Pulkovo 1942 / Gauss-Kruger CM 99E

Extent: Russian Federation - onshore between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2507')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2507')
```

Truncated form of Pulkovo 1942 / Gauss-Kruger zone 17 (code 28417).

Pulkovo 1942 / Gauss-Kruger zone 10

Extent: Kazakhstan; Russian Federation - onshore; Turkmenistan - 54°E to 60°E; Uzbekistan - west of 60°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28410')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28410')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 57E (code 2500).

Pulkovo 1942 / Gauss-Kruger zone 11

Extent: Kazakhstan; Russian Federation - onshore; Uzbekistan - 60°E to 66°E; Turkmenistan - east of 60°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28411')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 63E (code 2501).

Pulkovo 1942 / Gauss-Kruger zone 12

Extent: Kazakhstan, Russian Federation onshore and Uzbekistan - 66°E to 72°E; Kyrgyzstan and Tajikistan - west of 72°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28412')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 69E (code 2502).

Pulkovo 1942 / Gauss-Kruger zone 13

Extent: Kazakhstan; Kyrgyzstan; Russian Federation onshore - 72°E to 78°E; Tajikistan and Uzbekistan - east of 72°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28413')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 75E (code 2503).

Pulkovo 1942 / Gauss-Kruger zone 14

Extent: Kazakhstan and Russian Federation onshore - 78°E to 84°E; Kyrgyzstan - east of 78°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28414')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 81E (code 2504).

Pulkovo 1942 / Gauss-Kruger zone 15

Extent: Kazakhstan - east of 84°E; Russian Federation - onshore 84°E to 90°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28415')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 87E (code 2505).

Pulkovo 1942 / Gauss-Kruger zone 16

Extent: Russian Federation - onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28416')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 93E (code 2506).

Pulkovo 1942 / Gauss-Kruger zone 17

Extent: Russian Federation - onshore between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28417')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 99E (code 2507).

Pulkovo 1942 / Gauss-Kruger zone 18

Extent: Russian Federation - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28418')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 105E (code 2508).

Pulkovo 1942 / Gauss-Kruger zone 19

Extent: Russian Federation - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28419')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 111E (code 2509).

Pulkovo 1942 / Gauss-Kruger zone 20

Extent: Russian Federation - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28420')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 117E (code 2510).

Pulkovo 1942 / Gauss-Kruger zone 21

Extent: Russian Federation - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28421')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 123E (code 2511).

Pulkovo 1942 / Gauss-Kruger zone 22

Extent: Russian Federation - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28422')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 129E (code 2512).

Pulkovo 1942 / Gauss-Kruger zone 23

Extent: Russian Federation - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28423')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 135E (code 2513).

Pulkovo 1942 / Gauss-Kruger zone 24

Extent: Russian Federation - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28424')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28424')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 141E (code 2514).

Pulkovo 1942 / Gauss-Kruger zone 25

Extent: Russian Federation - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28425')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28425')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 147E (code 2515).

Pulkovo 1942 / Gauss-Kruger zone 26

Extent: Russian Federation - onshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28426')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28426')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 153E (code 2516).

Pulkovo 1942 / Gauss-Kruger zone 27

Extent: Russian Federation - onshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28427')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28427')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 159E (code 2517).

Pulkovo 1942 / Gauss-Kruger zone 28

Extent: Russian Federation - onshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28428')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28428')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 165E (code 2518).

Pulkovo 1942 / Gauss-Kruger zone 29

Extent: Russian Federation - onshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28429')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 171E (code 2519).

Pulkovo 1942 / Gauss-Kruger zone 30

Extent: Russian Federation - onshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28430')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28430')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 177E (code 2520).

Pulkovo 1942 / Gauss-Kruger zone 31

Extent: Russian Federation - onshore between 180°E and 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28431')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28431')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 177W (code 2521).

Pulkovo 1942 / Gauss-Kruger zone 32

Extent: Russian Federation - onshore east of 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28432')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28432')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 171W (code 2522).

Pulkovo 1942 / Gauss-Kruger zone 4

Extent: Belarus, Estonia, Latvia, Lithuania and Ukraine - onshore west of 24°E. Russian Federation - Kaliningrad onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28404')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 21E (code 2494).

Pulkovo 1942 / Gauss-Kruger zone 5

Extent: Estonia; Latvia and Lithuania - onshore east of 24°E; Belarus, Moldova, Russian Federation and Ukraine - onshore 24°E to 30°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28405')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 27E (code 2495).

Pulkovo 1942 / Gauss-Kruger zone 6

Extent: Belarus and Moldova - east of 30°E; Russian Federation and Ukraine - onshore 30°E to 36°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28406')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 33E (code 2496).

Pulkovo 1942 / Gauss-Kruger zone 7

Extent: Georgia - onshore west of 36°E; Russian Federation - onshore 36°E to 42°E; Ukraine - onshore east of 36°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28407')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 39E (code 2497).

Pulkovo 1942 / Gauss-Kruger zone 8

Extent: Armenia - west of 48°E; Azerbaijan - west of 48°E; Georgia - east of 42°E; Kazakhstan - west of 48°E; Russian Federation - onshore 42°E to 48°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28408')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 45E (code 2498).

Pulkovo 1942 / Gauss-Kruger zone 9

Extent: Azerbaijan - east of 48°E; Kazakhstan - 48°E to 54°E; Russian Federation - 48°E to 54°E; Turkmenistan - west of 54°E. Includes Caspian Sea (considered a lake rather than offshore)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28409')
```

Also found with truncated false easting - see Pulkovo 1942 / Gauss-Kruger CM 51E (code 2499).

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 10

Extent: Bulgaria and Romania - onshore east of 28°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3840')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3840')
```

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3

Extent: Germany - states of former East Germany - west of 10°30'E - Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3837')
```

Replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (CRS code 2397). See CRS code 5670 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3 (E-N)

Extent: Germany - states of former East Germany - west of 10°30'E - Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5670')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_3_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5670')
```

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3 (CRS code 3837) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4

Extent: Czechia - west of 13°30'E. Germany - states of former East Germany onshore - between 10°30'E and 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen; Sachsen-Anhalt; Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3838')
```

Replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (CRS code 2398). See CRS code 5671 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4 (E-N)

Extent: Czechia - west of 13°30'E. Germany - states of former East Germany onshore - between 10°30'E and 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen; Sachsen-Anhalt; Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5671')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_4_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5671')
```

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4 (CRS code 3838) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5

Extent: Czechia - between 13°30'E and 16°30'E. Germany - states of former East Germany onshore - east of 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen. Hungary and Poland - onshore west of 16°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3329')
```

In Czech Republic, Germany and Hungary, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (CRS code 2399). See CRS code 5672 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (E-N)

Extent: Czechia - between 13°30'E and 16°30'E. Germany - states of former East Germany onshore - east of 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen. Hungary and Poland - onshore west of 16°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5672')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_5_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5672')
```

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3329) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 6

Extent: Albania - onshore west of 19°30'E. Czechia - east of 16°30'E. Hungary and Poland - onshore between 16°30'E and 19°30'E. Slovakia - west of 19°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3330')
```

In Czech Republic, Hungary and Slovakia, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 6 (CRS code 3841).

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 7

Extent: Albania - east of 19°30'E. Bulgaria and Romania - west of 22°30'E. Hungary, Poland and Slovakia - between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3331')
```

In Hungary and Slovakia, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 7 (CRS code 4417).

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 8

Extent: Bulgaria and Romania - between 22°30'E and 25°30'E. Hungary, Poland and Slovakia - east of 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3332')
```

In Hungary and Slovakia, replaced by Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 8 (CRS code 4434).

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 9

Extent: Bulgaria and Romania - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_
↪KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3839')
```

Pulkovo 1942(58) / GUGiK-80

Extent: Poland - onshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GUGIK_80)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GUGIK_80)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3328')
```

Pulkovo 1942(58) / Gauss-Kruger zone 2

Extent: Germany - states of former East Germany - west of 12°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3833')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3833')
```

Replaced by Pulkovo 1942(83) / Gauss-Kruger zone 2 (CRS code 3834). See CRS code 5631 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(58) / Gauss-Kruger zone 2 (E-N)

Extent: Germany - states of former East Germany - west of 12°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5631')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2_
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5631')
```

Pulkovo 1942(58) / Gauss-Kruger zone 2 (CRS code 3833) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(58) / Gauss-Kruger zone 3

Extent: Germany (former DDR) - onshore east of 12°E. Poland - onshore west of 18°E. Czechia, Hungary and Slovakia - west of 18°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3333')
```

In Germany, Czech Republic, Hungary and Slovakia, replaced by Pulkovo 1942(83) / Gauss-Kruger zone 3 (CRS code 3835). See CRS code 5663 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(58) / Gauss-Kruger zone 3 (E-N)

Extent: Germany (former DDR) - onshore east of 12°E. Poland - onshore west of 18°E. Czechia, Hungary and Slovakia - west of 18°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5663')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3_
```

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```
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5663')
```

Pulkovo 1942(58) / Gauss-Kruger zone 3 (CRS code 3333) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(58) / Gauss-Kruger zone 4

Extent: Albania - onshore east of 18°E. Czechia, Hungary and Slovakia - east of 18°E. Poland - onshore between 18°E and 24°E. Bulgaria and Romania - onshore west of 24°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3334')
```

In Czech Republic, Hungary and Slovakia, replaced by Pulkovo 1942(83) / Gauss-Kruger zone 4 (CRS code3836).

Pulkovo 1942(58) / Gauss-Kruger zone 5

Extent: Bulgaria, Poland and Romania - onshore east of 24°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3335')
```

Pulkovo 1942(58) / Poland zone I

Extent: Poland - southeast - south of 52°20'N and east of 18°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3120')
```

To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 7 and 8 (codes 2178-79).

Pulkovo 1942(58) / Poland zone II

Extent: Poland - northeast - onshore north of 51°20'N and east of 19°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2172')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2172')
```

To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 7 and 8 (codes 2178-79).

Pulkovo 1942(58) / Poland zone III

Extent: Poland - northwest - onshore north of 52°10'N and west of 20°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2173')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2173')
```

To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 5 and 6 (codes 2176-77).

Pulkovo 1942(58) / Poland zone IV

Extent: Poland - southwest - south of 53°20'N and west of 19°05'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2174')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2174')
```

To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zones 5 and 6 (codes 2176-77).

Pulkovo 1942(58) / Poland zone V

Extent: Poland - south central - between 49°20'N and 51°20'N, 18°20'E and 19°40'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2175')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2175')
```

To be phased out after 2009. Replaced by ETRS89 / Poland CS2000 zone 6 (code 2177).

Pulkovo 1942(58) / Stereo70

Extent: Romania - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_STEREO70)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3844')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_58_STEREO70)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3844')
```

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3

Extent: Germany - states of former East Germany - west of 10°30'E - Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2397')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2397')
```

Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3837). In Thuringen replaced by PD/83 / Gauss Kruger zone 3. See CRS code 5673 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (E-N)

Extent: Germany - states of former East Germany - west of 10°30'E - Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5673')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_3_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5673')
```

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (CRS code 2397) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4

Extent: Czechia - west of 13°30'E. Germany - states of former East Germany onshore - between 10°30'E and 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen; Sachsen-Anhalt; Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2398')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2398')
```

Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3838). In Brandenburg replaced by ETRS89 / UTM zone 33N. In Sachsen replaced by CRS 3398. In Thuringen replaced by CRS 3397. See CRS code 5674 for variant with axes order reversed.

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (E-N)

Extent: Czechia - west of 13°30'E. Germany - states of former East Germany onshore - between 10°30'E and 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen; Sachsen-Anhalt; Thuringen

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5674')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_4_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5674')
```

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (CRS code 2398) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5

Extent: Czechia - between 13°30'E and 16°30'E. Germany - states of former East Germany onshore east of 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen. Hungary - west of 16°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2399')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2399')
```

Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (CRS code 3329). In Brandenburg replaced by ETRS89 / UTM zone 33N. In Sachsen replaced by RD/83 / Gauss Kruger zone 5. See CRS code 5675 for variant with axes order reversed.

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (E-N)

Extent: Czechia - between 13°30'E and 16°30'E. Germany - states of former East Germany onshore east of 13°30'E - Brandenburg; Mecklenburg-Vorpommern; Sachsen. Hungary - west of 16°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5675')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_5_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5675')
```

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (CRS code 2399) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 6

Extent: Czechia - east of 16°30'E. Hungary - between 16°30'E and 19°30'E. Slovakia - west of 19°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3841')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3841')
```

Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 6 (CRS code 3330).

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 7

Extent: Hungary and Slovakia - between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4417')
```

Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 7 (CRS code 3331).

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 8

Extent: Hungary and Slovakia - east of 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4434')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_
↪KRUGER_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4434')
```

Replaces Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 8 (CRS code 3332).

Pulkovo 1942(83) / Gauss-Kruger zone 2

Extent: Germany - states of former East Germany - west of 12°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3834')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3834')
```

Replaces Pulkovo 1942(58) / Gauss-Kruger zone 2 (CRS code 3833). See CRS code 5664 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(83) / Gauss-Kruger zone 2 (E-N)

Extent: Germany - states of former East Germany - west of 12°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5664')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2_
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5664')
```

Pulkovo 1942(83) / Gauss-Kruger zone 2 (CRS code 3834) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(83) / Gauss-Kruger zone 3

Extent: Germany (former DDR) - onshore east of 12°E. Czechia, Hungary and Slovakia - west of 18°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3835')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3835')
```

Replaces Pulkovo 1942(58) / Gauss-Kruger zone 3 (CRS code 3333). See CRS code 5665 for variant with axes order reversed to easting before northing for use in GIS applications.

Pulkovo 1942(83) / Gauss-Kruger zone 3 (E-N)

Extent: Germany (former DDR) - onshore east of 12°E. Czechia, Hungary and Slovakia - west of 18°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5665')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3_
↪E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5665')
```

Pulkovo 1942(83) / Gauss-Kruger zone 3 (CRS code 3835) but with axis order reversed (and axis abbreviations changed) for GIS applications.

Pulkovo 1942(83) / Gauss-Kruger zone 4

Extent: Czechia, Hungary and Slovakia - east of 18°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3836')
```

Replaces Pulkovo 1942(58) / Gauss-Kruger zone 4 (CRS code 3334).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 102E

Extent: Russian Federation - onshore between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2726')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2726')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 34 (code 2668).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 105E

Extent: Russian Federation - onshore between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2727')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2727')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 35 (code 2669).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 108E

Extent: Russian Federation - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2728')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2728')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 36 (code 2670).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 111E

Extent: Russian Federation - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2729')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2729')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 37 (code 2671).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 114E

Extent: Russian Federation - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2730')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2730')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 38 (code 2672).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 117E

Extent: Russian Federation - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2731')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2731')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 39 (code 2673).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 120E

Extent: Russian Federation - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2732')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2732')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 40 (code 2674).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 123E

Extent: Russian Federation - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2733')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2733')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 41 (code 2675).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 126E

Extent: Russian Federation - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2734')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2734')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 42 (code 2676).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 129E

Extent: Russian Federation - onshore between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2735')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2735')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 43 (code 2677).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 132E

Extent: Russian Federation - onshore between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2738')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2738')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 44 (code 2678).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 135E

Extent: Russian Federation - onshore between 133°30'E and 136°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2739')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2739')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 45 (code 2679).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 138E

Extent: Russian Federation - onshore between 136°30'E and 139°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_138E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2740')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_138E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2740')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 46 (code 2680).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 141E

Extent: Russian Federation - onshore between 139°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_141E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2741')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_141E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2741')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 47 (code 2681).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 144E

Extent: Russian Federation - onshore between 142°30'E and 145°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_144E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2742')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_144E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2742')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 48 (code 2682).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 147E

Extent: Russian Federation - onshore between 145°30'E and 148°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_147E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2743')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_147E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2743')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 49 (code 2683).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 150E

Extent: Russian Federation - onshore between 148°30'E and 151°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_150E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2744')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_150E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2744')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 50 (code 2684).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 153E

Extent: Russian Federation - onshore between 151°30'E and 154°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_153E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2745')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_153E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2745')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 51 (code 2685).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 156E

Extent: Russian Federation - onshore between 154°30'E and 157°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_156E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2746')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_156E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2746')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 52 (code 2686).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 159E

Extent: Russian Federation - onshore between 157°30'E and 160°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_159E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2747')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_159E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2747')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 53 (code 2687).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 162E

Extent: Russian Federation - onshore between 160°30'E and 163°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_162E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2748')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_162E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2748')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 54 (code 2688).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 165E

Extent: Russian Federation - onshore between 163°30'E and 166°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_165E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2749')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_165E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2749')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 55 (code 2689).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 168E

Extent: Russian Federation - onshore between 166°30'E and 169°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_168E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2750')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_168E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2750')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 56 (code 2690).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 168W

Extent: Russian Federation - onshore between 169°30'W and 166°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_168W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2758')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_168W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2758')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 64 (code 2698).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 171E

Extent: Russian Federation - onshore between 169°30'E and 172°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_171E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2751')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_171E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2751')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 57 (code 2691).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 171W

Extent: Russian Federation - onshore between 172°30'W and 169°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_171W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2757')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_171W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2757')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 63 (code 2697).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 174E

Extent: Russian Federation - onshore between 172°30'E and 175°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_174E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2752')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_174E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2752')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 58 (code 2692).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 174W

Extent: Russian Federation - onshore between 175°30'W and 172°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_174W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2756')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_174W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2756')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 62 (code 2696).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 177E

Extent: Russian Federation - onshore between 175°30'E and 178°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_177E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2753')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_177E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2753')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 59 (code 2693).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 177W

Extent: Russian Federation - onshore between 178°30'W and 175°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_177W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2755')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_177W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2755')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 61 (code 2695).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 180E

Extent: Russian Federation - onshore between 178°30'E and 178°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_180E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2754')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_180E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2754')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 60 (code 3390).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 21E

Extent: Russian Federation - Kaliningrad - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2699')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2699')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 7 (code 2641).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 24E

Extent: Russian Federation - onshore between 22°30'E and 25°30'E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_24E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_24E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2700')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 8 (code 2642).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 27E

Extent: Russian Federation - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2701')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2701')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 9 (code 2643).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 30E

Extent: Russian Federation - onshore between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_30E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2702')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_30E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2702')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 10 (code 2644).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 33E

Extent: Russian Federation - onshore between 31°30'E and 34°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2703')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2703')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 11 (code 2645).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 36E

Extent: Russian Federation - onshore between 34°30'E and 37°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_36E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2704')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_36E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2704')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 12 (code 2646).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 39E

Extent: Russian Federation - onshore between 37°30'E and 40°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2705')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2705')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 13 (code 2647).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 42E

Extent: Russian Federation - onshore between 40°30'E and 43°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_42E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2706')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_42E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2706')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 14 (code 2648).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 45E

Extent: Russian Federation - onshore between 43°30'E and 46°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_45E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2707')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_45E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2707')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 15 (code 2649).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 48E

Extent: Russian Federation - onshore between 46°30'E and 49°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_48E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2708')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_48E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2708')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 16 (code 2650).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 51E

Extent: Russian Federation - onshore between 49°30'E and 52°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_51E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_51E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2709')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 17 (code 2651).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 54E

Extent: Russian Federation - onshore between 52°30'E and 55°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_54E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2710')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_54E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2710')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 18 (code 2652).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 57E

Extent: Russian Federation - onshore between 55°30'E and 58°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_57E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2711')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_57E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2711')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 19 (code 2653).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 60E

Extent: Russian Federation - onshore between 58°30'E and 61°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_60E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2712')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_60E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2712')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 20 (code 2654).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 63E

Extent: Russian Federation - onshore between 61°30'E and 64°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_63E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2713')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_63E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2713')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 21 (code 2655).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 66E

Extent: Russian Federation - onshore between 64°30'E and 67°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_66E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2714')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_66E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2714')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 22 (code 2656).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 69E

Extent: Russian Federation - onshore between 67°30'E and 70°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_69E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2715')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_69E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2715')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 23 (code 2657).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 72E

Extent: Russian Federation - onshore between 70°30'E and 73°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_72E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2716')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_72E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2716')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 24 (code 2658).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 75E

Extent: Russian Federation - onshore between 73°30'E and 76°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2717')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2717')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 25 (code 2659).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 78E

Extent: Russian Federation - onshore between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2718')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2718')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 26 (code 2660).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 81E

Extent: Russian Federation - onshore between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2719')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2719')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 27 (code 2661).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 84E

Extent: Russian Federation - onshore between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2720')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 28 (code 2662).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 87E

Extent: Russian Federation - onshore between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2721')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2721')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 29 (code 2663).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 90E

Extent: Russian Federation - onshore between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2722')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2722')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 30 (code 2664).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 93E

Extent: Russian Federation - onshore between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2723')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2723')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 31 (code 2665).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 96E

Extent: Russian Federation - onshore between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2724')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2724')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 32 (code 2666).

Pulkovo 1995 / 3-degree Gauss-Kruger CM 99E

Extent: Russian Federation - onshore between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2725')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2725')
```

Truncated form of Pulkovo 1995 / 3-degree Gauss-Kruger zone 33 (code 2667).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 10

Extent: Russian Federation - onshore between 28°30'E and 31°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2644')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2644')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 30E (code 2702).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 11

Extent: Russian Federation - onshore between 31°30'E and 34°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2645')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2645')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 33E (code 2703).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 12

Extent: Russian Federation - onshore between 34°30'E and 37°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2646')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2646')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 36E (code 2704).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 13

Extent: Russian Federation - onshore between 37°30'E and 40°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2647')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2647')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 39E (code 2705).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 14

Extent: Russian Federation - onshore between 40°30'E and 43°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2648')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2648')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 42E (code 2706).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 15

Extent: Russian Federation - onshore between 43°30'E and 46°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2649')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2649')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 45E (code 2707).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 16

Extent: Russian Federation - onshore between 46°30'E and 49°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2650')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2650')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 48E (code 2708).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 17

Extent: Russian Federation - onshore between 49°30'E and 52°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2651')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2651')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 51E (code 2709).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 18

Extent: Russian Federation - onshore between 52°30'E and 55°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2652')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2652')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 54E (code 2710).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 19

Extent: Russian Federation - onshore between 55°30'E and 58°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2653')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2653')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 57E (code 2711).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 20

Extent: Russian Federation - onshore between 58°30'E and 61°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2654')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2654')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 60E (code 2712).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 21

Extent: Russian Federation - onshore between 61°30'E and 64°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2655')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2655')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 63E (code 2713).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 22

Extent: Russian Federation - onshore between 64°30'E and 67°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2656')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2656')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 66E (code 2714).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 23

Extent: Russian Federation - onshore between 67°30'E and 70°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2657')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2657')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 69E (code 2715).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 24

Extent: Russian Federation - onshore between 70°30'E and 73°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2658')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2658')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 72E (code 2716).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 25

Extent: Russian Federation - onshore between 73°30'E and 76°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2659')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2659')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 75E (code 2717).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 26

Extent: Russian Federation - onshore between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2660')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2660')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 78E (code 2718).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 27

Extent: Russian Federation - onshore between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2661')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2661')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 81E (code 2719).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 28

Extent: Russian Federation - onshore between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2662')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2662')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 84E (code 2720).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 29

Extent: Russian Federation - onshore between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2663')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2663')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 87E (code 2721).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 30

Extent: Russian Federation - onshore between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2664')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2664')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 90E (code 2722).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 31

Extent: Russian Federation - onshore between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2665')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2665')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 93E (code 2723).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 32

Extent: Russian Federation - onshore between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2666')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2666')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 96E (code 2724).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 33

Extent: Russian Federation - onshore between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2667')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2667')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 99E (code 2725).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 34

Extent: Russian Federation - onshore between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2668')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2668')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 102E (code 2726).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 35

Extent: Russian Federation - onshore between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2669')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2669')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 105E (code 2727).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 36

Extent: Russian Federation - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2670')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2670')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 108E (code 2728).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 37

Extent: Russian Federation - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2671')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2671')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 111E (code 2729).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 38

Extent: Russian Federation - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2672')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2672')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 114E (code 2730).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 39

Extent: Russian Federation - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2673')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2673')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 117E (code 2731).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 40

Extent: Russian Federation - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2674')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2674')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 120E (code 2732).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 41

Extent: Russian Federation - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2675')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2675')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 123E (code 2733).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 42

Extent: Russian Federation - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2676')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2676')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 126E (code 2734).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 43

Extent: Russian Federation - onshore between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2677')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2677')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 129E (code 2735).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 44

Extent: Russian Federation - onshore between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2678')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2678')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 132E (code 2738).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 45

Extent: Russian Federation - onshore between 133°30'E and 136°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2679')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2679')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 135E (code 2739).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 46

Extent: Russian Federation - onshore between 136°30'E and 139°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2680')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2680')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 138E (code 2740).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 47

Extent: Russian Federation - onshore between 139°30'E and 142°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2681')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2681')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 141E (code 2741).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 48

Extent: Russian Federation - onshore between 142°30'E and 145°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2682')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2682')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 144E (code 2742).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 49

Extent: Russian Federation - onshore between 145°30'E and 148°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2683')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2683')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 147E (code 2743).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 50

Extent: Russian Federation - onshore between 148°30'E and 151°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2684')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2684')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 150E (code 2744).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 51

Extent: Russian Federation - onshore between 151°30'E and 154°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2685')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2685')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 153E (code 2745).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 52

Extent: Russian Federation - onshore between 154°30'E and 157°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2686')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2686')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 156E (code 2746).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 53

Extent: Russian Federation - onshore between 157°30'E and 160°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_53)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2687')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_53)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2687')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 159E (code 2747).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 54

Extent: Russian Federation - onshore between 160°30'E and 163°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2688')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2688')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 162E (code 2748).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 55

Extent: Russian Federation - onshore between 163°30'E and 166°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2689')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2689')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 165E (code 2749).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 56

Extent: Russian Federation - onshore between 166°30'E and 169°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2690')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2690')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 168E (code 2750).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 57

Extent: Russian Federation - onshore between 169°30'E and 172°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2691')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2691')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 171E (code 2751).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 58

Extent: Russian Federation - onshore between 172°30'E and 175°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2692')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2692')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 174E (code 2752).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 59

Extent: Russian Federation - onshore between 175°30'E and 178°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_59)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2693')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_59)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2693')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 177E (code 2753).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 60

Extent: Russian Federation - onshore between 178°30'E and 178°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3390')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3390')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 180E (code 2754).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 61

Extent: Russian Federation - onshore between 178°30'W and 175°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_61)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2695')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_61)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2695')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 177W (code 2755).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 62

Extent: Russian Federation - onshore between 175°30'W and 172°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_62)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2696')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_62)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2696')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 174W (code 2756).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 63

Extent: Russian Federation - onshore between 172°30'W and 169°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_63)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2697')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_63)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2697')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 171W (code 2757).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 64

Extent: Russian Federation - onshore between 169°30'W and 166°30'W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_64)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2698')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_64)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2698')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 168W (code 2758).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 7

Extent: Russian Federation - Kaliningrad - onshore between 19°30'E and 22°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2641')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2641')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 21E (code 2699).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 8

Extent: Russian Federation - onshore between 22°30'E and 25°30'E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2642')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2642')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 24E (code 2700).

Pulkovo 1995 / 3-degree Gauss-Kruger zone 9

Extent: Russian Federation - onshore between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2643')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_
↪ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2643')
```

Also found with truncated false easting - see Pulkovo 1995 / 3-degree Gauss-Kruger CM 27E (code 2701).

Pulkovo 1995 / Gauss-Kruger CM 105E

Extent: Russian Federation - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2477')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2477')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 18 (code 20018).

Pulkovo 1995 / Gauss-Kruger CM 111E

Extent: Russian Federation - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2478')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2478')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 19 (code 20019).

Pulkovo 1995 / Gauss-Kruger CM 117E

Extent: Russian Federation - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2479')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2479')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 20 (code 20020).

Pulkovo 1995 / Gauss-Kruger CM 123E

Extent: Russian Federation - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2480')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2480')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 21 (code 20021).

Pulkovo 1995 / Gauss-Kruger CM 129E

Extent: Russian Federation - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2481')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2481')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 22 (code 20022).

Pulkovo 1995 / Gauss-Kruger CM 135E

Extent: Russian Federation - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2482')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2482')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 23 (code 20023).

Pulkovo 1995 / Gauss-Kruger CM 141E

Extent: Russian Federation - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_141E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2483')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_141E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2483')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 24 (code 20024).

Pulkovo 1995 / Gauss-Kruger CM 147E

Extent: Russian Federation - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_147E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2484')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_147E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2484')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 25 (code 20025).

Pulkovo 1995 / Gauss-Kruger CM 153E

Extent: Russian Federation - onshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_153E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2485')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_153E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2485')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 26 (code 20026).

Pulkovo 1995 / Gauss-Kruger CM 159E

Extent: Russian Federation - onshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_159E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2486')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_159E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2486')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 27 (code 20027).

Pulkovo 1995 / Gauss-Kruger CM 165E

Extent: Russian Federation - onshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_165E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2487')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_165E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2487')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 28 (code 20028).

Pulkovo 1995 / Gauss-Kruger CM 171E

Extent: Russian Federation - onshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_171E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2488')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_171E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2488')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 29 (code 20029).

Pulkovo 1995 / Gauss-Kruger CM 171W

Extent: Russian Federation - onshore east of 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_171W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2491')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_171W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2491')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 32 (code 20032).

Pulkovo 1995 / Gauss-Kruger CM 177E

Extent: Russian Federation - onshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_177E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2489')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_177E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2489')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 30 (code 20030).

Pulkovo 1995 / Gauss-Kruger CM 177W

Extent: Russian Federation - onshore between 180°E and 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_177W)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2490')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_177W)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2490')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 31 (code 20031).

Pulkovo 1995 / Gauss-Kruger CM 21E

Extent: Russian Federation - onshore west of 24°E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2463')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 4 (code 20004).

Pulkovo 1995 / Gauss-Kruger CM 27E

Extent: Russian Federation - onshore between 24°E and 30°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2464')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2464')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 5 (code 20005).

Pulkovo 1995 / Gauss-Kruger CM 33E

Extent: Russian Federation - onshore between 30°E and 36°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2465')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2465')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 6 (code 20006).

Pulkovo 1995 / Gauss-Kruger CM 39E

Extent: Russian Federation - onshore between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2466')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2466')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 7 (code 20007).

Pulkovo 1995 / Gauss-Kruger CM 45E

Extent: Russian Federation - onshore between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_45E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2467')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_45E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2467')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 8 (code 20008).

Pulkovo 1995 / Gauss-Kruger CM 51E

Extent: Russian Federation - onshore between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_51E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2468')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_51E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2468')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 9 (code 20009).

Pulkovo 1995 / Gauss-Kruger CM 57E

Extent: Russian Federation - onshore between 54°E and 60°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_57E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2469')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_57E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2469')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 10 (code 20010).

Pulkovo 1995 / Gauss-Kruger CM 63E

Extent: Russian Federation - onshore between 60°E and 66°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_63E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2470')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_63E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2470')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 11 (code 20011).

Pulkovo 1995 / Gauss-Kruger CM 69E

Extent: Russian Federation - onshore between 66°E and 72°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_69E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2471')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_69E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2471')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 12 (code 20012).

Pulkovo 1995 / Gauss-Kruger CM 75E

Extent: Russian Federation - onshore between 72°E and 78°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2472')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2472')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 13 (code 20013).

Pulkovo 1995 / Gauss-Kruger CM 81E

Extent: Russian Federation - onshore between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2473')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2473')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 14 (code 20014).

Pulkovo 1995 / Gauss-Kruger CM 87E

Extent: Russian Federation - onshore between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2474')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2474')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 15 (code 20015).

Pulkovo 1995 / Gauss-Kruger CM 93E

Extent: Russian Federation - onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2475')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2475')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 16 (code 20016).

Pulkovo 1995 / Gauss-Kruger CM 99E

Extent: Russian Federation - onshore between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2476')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2476')
```

Truncated form of Pulkovo 1995 / Gauss-Kruger zone 17 (code 20017).

Pulkovo 1995 / Gauss-Kruger zone 10

Extent: Russian Federation - onshore between 54°E and 60°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20010')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20010')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 57E (code 2469).

Pulkovo 1995 / Gauss-Kruger zone 11

Extent: Russian Federation - onshore between 60°E and 66°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20011')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20011')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 63E (code 2470).

Pulkovo 1995 / Gauss-Kruger zone 12

Extent: Russian Federation - onshore between 66°E and 72°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20012')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20012')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 69E (code 2471).

Pulkovo 1995 / Gauss-Kruger zone 13

Extent: Russian Federation - onshore between 72°E and 78°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20013')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20013')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 75E (code 2472).

Pulkovo 1995 / Gauss-Kruger zone 14

Extent: Russian Federation - onshore between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20014')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 81E (code 2473).

Pulkovo 1995 / Gauss-Kruger zone 15

Extent: Russian Federation - onshore between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20015')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 87E (code 2474).

Pulkovo 1995 / Gauss-Kruger zone 16

Extent: Russian Federation - onshore between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20016')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 93E (code 2475).

Pulkovo 1995 / Gauss-Kruger zone 17

Extent: Russian Federation - onshore between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20017')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 99E (code 2476).

Pulkovo 1995 / Gauss-Kruger zone 18

Extent: Russian Federation - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20018')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20018')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 105E (code 2477).

Pulkovo 1995 / Gauss-Kruger zone 19

Extent: Russian Federation - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20019')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20019')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 111E (code 2478).

Pulkovo 1995 / Gauss-Kruger zone 20

Extent: Russian Federation - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20020')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20020')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 117E (code 2479).

Pulkovo 1995 / Gauss-Kruger zone 21

Extent: Russian Federation - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20021')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20021')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 123E (code 2480).

Pulkovo 1995 / Gauss-Kruger zone 22

Extent: Russian Federation - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20022')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20022')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 129E (code 2481).

Pulkovo 1995 / Gauss-Kruger zone 23

Extent: Russian Federation - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20023')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20023')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 135E (code 2482).

Pulkovo 1995 / Gauss-Kruger zone 24

Extent: Russian Federation - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20024')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20024')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 141E (code 2483).

Pulkovo 1995 / Gauss-Kruger zone 25

Extent: Russian Federation - onshore between 144°E and 150°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20025')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20025')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 147E (code 2484).

Pulkovo 1995 / Gauss-Kruger zone 26

Extent: Russian Federation - onshore between 150°E and 156°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20026')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20026')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 153E (code 2485).

Pulkovo 1995 / Gauss-Kruger zone 27

Extent: Russian Federation - onshore between 156°E and 162°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20027')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20027')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 159E (code 2486).

Pulkovo 1995 / Gauss-Kruger zone 28

Extent: Russian Federation - onshore between 162°E and 168°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20028')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 165E (code 2487).

Pulkovo 1995 / Gauss-Kruger zone 29

Extent: Russian Federation - onshore between 168°E and 174°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20029')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20029')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 171E (code 2488).

Pulkovo 1995 / Gauss-Kruger zone 30

Extent: Russian Federation - onshore between 174°E and 180°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20030')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 177E (code 2489).

Pulkovo 1995 / Gauss-Kruger zone 31

Extent: Russian Federation - onshore between 180°E and 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20031')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 177W (code 2490).

Pulkovo 1995 / Gauss-Kruger zone 32

Extent: Russian Federation - onshore east of 174°W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20032')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 171W (code 2491).

Pulkovo 1995 / Gauss-Kruger zone 4

Extent: Russian Federation - onshore west of 24°E - Kaliningrad

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20004')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20004')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 21E (code 2463).

Pulkovo 1995 / Gauss-Kruger zone 5

Extent: Russian Federation - onshore between 24°E and 30°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20005')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20005')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 27E (code 2464).

Pulkovo 1995 / Gauss-Kruger zone 6

Extent: Russian Federation - onshore between 30°E and 36°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20006')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20006')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 33E (code 2465).

Pulkovo 1995 / Gauss-Kruger zone 7

Extent: Russian Federation - onshore between 36°E and 42°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20007')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20007')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 39E (code 2466).

Pulkovo 1995 / Gauss-Kruger zone 8

Extent: Russian Federation - onshore between 42°E and 48°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20008')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20008')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 45E (code 2467).

Pulkovo 1995 / Gauss-Kruger zone 9

Extent: Russian Federation - onshore between 48°E and 54°E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20009')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20009')
```

Also found with truncated false easting - see Pulkovo 1995 / Gauss-Kruger CM 51E (code 2468).

QND95 / Qatar National Grid

Extent: Qatar - onshore

```
Projected::fromSRID(Projected::EPSG_QND95_QATAR_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2932')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QND95_QATAR_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2932')
```

Qatar 1948 / Qatar Grid

Extent: Qatar - onshore

```
Projected::fromSRID(Projected::EPSG_QATAR_1948_QATAR_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2099')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QATAR_1948_QATAR_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2099')
```

Also known as Qatar Plane Coordinate or QPC system. Replaced by Qatar National Grid (code 28600).

Qatar 1974 / Qatar National Grid

Extent: Qatar - onshore

```
Projected::fromSRID(Projected::EPSG_QATAR_1974_QATAR_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::28600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QATAR_1974_QATAR_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::28600')
```

Qornoq 1927 / Greenland zone 2 west

Extent: Greenland - west coast onshore - between 78°N and 79°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_2_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2299')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_2_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2299')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / Greenland zone 3 west

Extent: Greenland - west coast - between 75°N and 78°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_3_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2301')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_3_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2301')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / Greenland zone 4 west

Extent: Greenland - west coast onshore - between 72°N and 75°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_4_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2303')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_4_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2303')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / Greenland zone 5 west

Extent: Greenland - west coast onshore - between 69°N and 72°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_5_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2304')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_5_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2304')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / Greenland zone 6 west

Extent: Greenland - west coast onshore - between 66°N and 69°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_6_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_6_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2305')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / Greenland zone 7 west

Extent: Greenland - west coast onshore - between 63°N and 66°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_7_WEST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_7_WEST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2306')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / Greenland zone 8 east

Extent: Greenland - onshore southwest coastal area south of 63°N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_8_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_8_EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2307')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Qornoq 1927 / UTM zone 22N

Extent: Greenland - southwest coast between 54°W and 48°W

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2216')
```

Qornoq 1927 / UTM zone 23N

Extent: Greenland - southwest coast east of 48°W

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_QORNOQ_1927_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2217')
```

RBEPP12 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Reading via Newbury to Penzance

```
Projected::fromSRID(Projected::EPSG_RBEPP12_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10280')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RBEPP12_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10280')
```

Defined through transformation ETRS89 to RBEPP12-IRF (1) (code 10278) and map projection RBEPP12-LCC (code 10279). Emulates the RBEPP12 Snake projection applied to ETRS89 as realized through OSNet 2009.

RD/83 / 3-degree Gauss-Kruger zone 4

Extent: Germany - Sachsen - west of 13°30'E

```
Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3398')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3398')
```

Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications RD/83 can be considered the same as DHDN. See CRS code 5668 for variant with axes order reversed to easting before northing for use in GIS applications.

RD/83 / 3-degree Gauss-Kruger zone 4 (E-N)

Extent: Germany - Sachsen - west of 13°30'E

```
Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5668')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5668')
```

RD/83 / 3-degree Gauss-Kruger zone 4 (CRS code 3398) but with axis order reversed (and axis abbreviations changed) for GIS applications.

RD/83 / 3-degree Gauss-Kruger zone 5

Extent: Germany - Sachsen - east of 13°30'E

```
Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3399')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3399')
```

Consistent with DHDN (CRS code 4314) at the 1-metre level. For low accuracy applications RD/83 can be considered the same as DHDN. See CRS code 5669 for variant with axes order reversed to easting before northing for use in GIS applications.

RD/83 / 3-degree Gauss-Kruger zone 5 (E-N)

Extent: Germany - Sachsen - east of 13°30'E

```
Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5669')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_
↪N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5669')
```

RD/83 / 3-degree Gauss-Kruger zone 5 (CRS code 3399) but with axis order reversed (and axis abbreviations changed) for GIS applications.

RDN2008 / Italy zone (E-N)

Extent: Italy - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7794')
```

Used by public and private agencies that need a single projected CRS for all Italian territory. See RDN2008 / Italy zone (N-E) (CRS code 6875) for similar CRS with north-east axis order.

RDN2008 / Italy zone (N-E)

Extent: Italy - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6875')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6875')
```

Used by public and private agencies that need a single projected CRS for all Italian territory. See RDN2008 / Italy zone (E-N) (CRS code 7794) for similar CRS with east-north axis order used for GIS purposes.

RDN2008 / UTM zone 32N

Extent: Italy - onshore and offshore - west of 12°E

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7791')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7791')
```

Replaces IGM95 / UTM zone 32N (CRS code 3064) from 2011-11-10. See RDN2008 / UTM zone 32N (N-E) (CRS code 6707) for similar CRS with north-east axis order used for topographic mapping and engineering purposes.

RDN2008 / UTM zone 32N (N-E)

Extent: Italy - onshore and offshore - west of 12°E

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6707')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6707')
```

Replaces IGM95 / UTM zone 32N (CRS code 3064) from 2011-11-10. See RDN2008 / UTM zone 32N (CRS code 7791) for similar CRS with east-north axis order used for GIS purposes.

RDN2008 / UTM zone 33N

Extent: Italy - onshore and offshore - between 12°E and 18°E including San Marino and Vatican City State

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7792')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7792')
```

Replaces IGM95 / UTM zone 33N (CRS code 3065) west of 18°E from 2011-11-10. See RDN2008 / UTM zone 33N (N-E) (CRS code 6708) for similar CRS with north-east axis order used for topographic mapping and engineering purposes.

RDN2008 / UTM zone 33N (N-E)

Extent: Italy - onshore and offshore - between 12°E and 18°E including San Marino and Vatican City State

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6708')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6708')
```

Replaces IGM95 / UTM zone 33N (CRS code 3065) west of 18°E from 2011-11-10. See RDN2008 / UTM zone 33N (CRS code 7792) for similar CRS with east-north axis order used for GIS purposes.

RDN2008 / UTM zone 34N

Extent: Italy - onshore and offshore - east of 18°E

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7793')
```

Replaces IGM95 / UTM zone 33N (CRS code 3065) east of 18°E from 2011-11-10. See RDN2008 / UTM zone 34N (N-E) (CRS code 6709) for similar CRS with north-east axis order used for topographic mapping and engineering purposes.

RDN2008 / UTM zone 34N (N-E)

Extent: Italy - onshore and offshore - east of 18°E

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6709')
```

Replaces IGM95 / UTM zone 33N (CRS code 3065) east of 18°E from 2011-11-10. See RDN2008 / UTM zone 34N (CRS code 7793) for similar CRS with east-north axis order used for GIS purposes.

RDN2008 / Zone 12 (E-N)

Extent: Italy - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RDN2008_ZONE_12_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7795')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_ZONE_12_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7795')
```

Used in some Italian Departments whose territory falls in both zones 32 and 33 (i.e. crosses the 12°E meridian). See RDN2008 / Zone 12 (N-E) (CRS code 6876) for similar CRS with north-east axis order used for topographic mapping and engineering purposes.

RDN2008 / Zone 12 (N-E)

Extent: Italy - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RDN2008_ZONE_12_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6876')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RDN2008_ZONE_12_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6876')
```

Used in some Italian Departments whose territory falls in both UTM zones 32N and 33N (i.e. crosses the meridan of 12°E). See RDN2008 / Zone 12 (E-N) (CRS code 7795) for similar CRS with east-north axis order used for GIS purposes.

REDGEOMIN / UTM zone 12S

Extent: Chile - Easter Island onshore

```
Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_12S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9697')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_12S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9697')
```

REDGEOMIN / UTM zone 18S

Extent: Chile - 78°W to 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9698')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9698')
```

REDGEOMIN / UTM zone 19S

Extent: Chile - 72°W to 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9699')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9699')
```

REGCAN95 / LAEA Europe

Extent: Spain - Canary Islands onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REGCAN95_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5635')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGCAN95_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5635')
```

At applicable scales and usages, may be considered consistent with ETRS89-extended / LAEA Europe (CRS code 3035): see CT 9047.

REGCAN95 / LCC Europe

Extent: Spain - Canary Islands onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REGCAN95_LCC_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5634')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGCAN95_LCC_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5634')
```

At applicable scales (1:500,000 and smaller) may be considered consistent with ETRS89-extended / LCC Europe (CRS code 3034): see CT 9048.

REGCAN95 / UTM zone 27N

Extent: Spain - Canary Islands - west of 18°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4082')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4082')
```

Replaces PN68 / UTM zone 27N and PN84 / UTM zone 27N.

REGCAN95 / UTM zone 28N

Extent: Spain - Canary Islands - east of 18°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4083')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4083')
```

Replaces PN68 / UTM zone 28N and PN84 / UTM zone 28N.

REGVEN / UTM zone 18N

Extent: Venezuela - west of 72°W

```
Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2201')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2201')
```

REGVEN / UTM zone 19N

Extent: Venezuela - between 72°W and 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2202')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2202')
```

REGVEN / UTM zone 20N

Extent: Venezuela - east of 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2203')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2203')
```

RGAF09 / UTM zone 20N

Extent: French Antilles onshore and offshore west of 60°W - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; northern St Martin

```
Projected::fromSRID(Projected::EPSG_RGAF09_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5490')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGAF09_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5490')
```

Replaces RRAF 1991 / UTM zone 20N (CRS code 4559).

RGF93 v1 / CC42

Extent: France onshore - mainland south of 43°N and Corsica

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3942')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3942')
```

RGF93 v1 / CC43

Extent: France - mainland onshore south of 44°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3943')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3943')
```

RGF93 v1 / CC44

Extent: France - mainland onshore between 43°N and 45°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3944')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3944')
```

RGF93 v1 / CC45

Extent: France - mainland onshore between 44°N and 46°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3945')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3945')
```

RGF93 v1 / CC46

Extent: France - mainland onshore between 45°N and 47°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3946')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3946')
```

RGF93 v1 / CC47

Extent: France - mainland onshore between 46°N and 48°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3947')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3947')
```

RGF93 v1 / CC48

Extent: France - mainland onshore between 47°N and 49°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3948')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3948')
```

RGF93 v1 / CC49

Extent: France - mainland onshore between 48°N and 50°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3949')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3949')
```

RGF93 v1 / CC50

Extent: France - mainland onshore north of 49°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3950')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_CC50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3950')
```

RGF93 v1 / Lambert-93

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_LAMBERT_93)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2154')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V1_LAMBERT_93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2154')
```

RGF93 v2 / CC42

Extent: France onshore - mainland south of 43°N and Corsica

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9822')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9822')
```

RGF93 v2 / CC43

Extent: France - mainland onshore south of 44°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9823')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9823')
```

RGF93 v2 / CC44

Extent: France - mainland onshore between 43°N and 45°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9824')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9824')
```

RGF93 v2 / CC45

Extent: France - mainland onshore between 44°N and 46°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9825')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9825')
```

RGF93 v2 / CC46

Extent: France - mainland onshore between 45°N and 47°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9826')
```

RGF93 v2 / CC47

Extent: France - mainland onshore between 46°N and 48°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9827')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9827')
```

RGF93 v2 / CC48

Extent: France - mainland onshore between 47°N and 49°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9828')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9828')
```

RGF93 v2 / CC49

Extent: France - mainland onshore between 48°N and 50°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9829')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9829')
```

RGF93 v2 / CC50

Extent: France - mainland onshore north of 49°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9830')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_CC50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9830')
```

RGF93 v2 / Lambert-93

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_LAMBERT_93)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9793')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2_LAMBERT_93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9793')
```

RGF93 v2b / CC42

Extent: France onshore - mainland south of 43°N and Corsica

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9842')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9842')
```

RGF93 v2b / CC43

Extent: France - mainland onshore south of 44°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9843')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9843')
```

RGF93 v2b / CC44

Extent: France - mainland onshore between 43°N and 45°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9844')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9844')
```

RGF93 v2b / CC45

Extent: France - mainland onshore between 44°N and 46°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9845')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9845')
```

RGF93 v2b / CC46

Extent: France - mainland onshore between 45°N and 47°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9846')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9846')
```

RGF93 v2b / CC47

Extent: France - mainland onshore between 46°N and 48°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC47)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC47)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9847')
```

RGF93 v2b / CC48

Extent: France - mainland onshore between 47°N and 49°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9848')
```

RGF93 v2b / CC49

Extent: France - mainland onshore between 48°N and 50°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC49)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC49)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9849')
```

RGF93 v2b / CC50

Extent: France - mainland onshore north of 49°N

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_CC50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9850')
```

RGF93 v2b / Lambert-93

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_LAMBERT_93)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGF93_V2B_LAMBERT_93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9794')
```

RGFG95 / UTM zone 21N

Extent: French Guiana - west of 54°W

```
Projected::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3313')
```

Replaces CSG67 / UTM zone 21N (CRS code 3312).

RGFG95 / UTM zone 22N

Extent: French Guiana - east of 54°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2972')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2972')
```

Replaces CSG67 / UTM zone 22N (CRS code 2971).

RGM04 / UTM zone 38S

Extent: Mayotte - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGM04_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4471')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGM04_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4471')
```

Replaces Combani 1950 / UTM zone 38S (CRS code 2980) except for cadastre which uses Cadastre 1997 / UTM zone 38S (CRS code 5879).

RGNC15 / Lambert New Caledonia 2015

Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands (Lifou, Mare, Ouvea)

```
Projected::fromSRID(Projected::EPSG_RGNC15_LAMBERT_NEW_CALEDONIA_2015)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC15_LAMBERT_NEW_CALEDONIA_2015)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10314')
```

Replaces RGNC91-93 / Lambert New Caledonia (CRS code 3163).

RGNC15 / UTM zone 57S

Extent: New Caledonia - west of 162°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_57S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_57S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10315')
```

Used for EEZ and uninhabited islands. For Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea) use RGNC15 / Lambert New Caledonia 2015 (CRS code 10314) rather than this CRS. Replaces RGNC91-93 / UTM zone 57S (CRS code 3169).

RGNC15 / UTM zone 58S

Extent: New Caledonia - between 162°E and 168°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10316')
```

Used for EEZ and uninhabited islands. For Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea) use RGNC15 / Lambert New Caledonia 2015 (CRS code 10314) rather than this CRS. Replaces RGNC91-93 / UTM zone 58S (CRS code 3170).

RGNC15 / UTM zone 59S

Extent: New Caledonia - east of 168°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10317')
```

Used for EEZ and uninhabited islands. For Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea) use RGNC15 / Lambert New Caledonia 2015 (CRS code 10314) rather than this CRS. Replaces RGNC91-93 / UTM zone 59S (CRS code 3171).

RGNC91-93 / Lambert New Caledonia

Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands (Lifou, Mare, Ouvea)

```
Projected::fromSRID(Projected::EPSG_RGNC91_93_LAMBERT_NEW_CALEDONIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3163')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC91_93_LAMBERT_NEW_CALEDONIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3163')
```

Replaces use of UTM with older 2D systems IGN72 Grande Terre, IGN56 Lifou, ST87 Ouvea, IGN53 Mare, ST84 Ile des Pins, ST71 Belep and NEA74 Noumea (CRS codes 2981, 2995-98, 3060, 3164). Replaced by RGNC15 / Lambert New Caledonia 2015 (CRS code 10314).

RGNC91-93 / UTM zone 57S

Extent: New Caledonia - west of 162°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_57S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3169')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_57S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3169')
```

Used for EEZ and uninhabited islands. For Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea) use RGNC91-93 / Lambert New Caledonia (CRS code 3163) rather than this CRS. Replaced by RGNC15 / UTM zone 57S (CRS code 10315).

RGNC91-93 / UTM zone 58S

Extent: New Caledonia - between 162°E and 168°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3170')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3170')
```

Used for EEZ and uninhabited islands. For Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea) use RGNC91-93 / Lambert New Caledonia (CRS code 3163) rather than this CRS. Replaced by RGNC15 / UTM zone 58S (CRS code 10316).

RGNC91-93 / UTM zone 59S

Extent: New Caledonia - east of 168°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3171')
```

Used for EEZ and uninhabited islands. For Grande-Terre, Isle de Pins, Belep and Loyalty Islands (Lifou, Mare, Ouvea) use RGNC91-93 / Lambert New Caledonia (CRS code 3163) rather than this CRS. Replaced by RGNC15 / UTM zone 59S (CRS code 10317).

RGPF / UTM zone 5S

Extent: French Polynesia - west of 150°W onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_5S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3296')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_5S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3296')
```

Replaces Tahaa 54 / UTM zone 5S (CRS code 2977) and Maupiti 83 / UTM zone 5S (code 3306).

RGPF / UTM zone 6S

Extent: French Polynesia - between 150°W and 144°W onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3297')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3297')
```

Replaces Moorea 87 / UTM zone 6S (CRS code 3305) and Tahiti 79 / UTM zone 6S (code 3304).

RGPF / UTM zone 7S

Extent: French Polynesia - between 144°W and 138°W onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3298')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3298')
```

Replaces IGN 63 Hiva Oa / UTM zone 7S (CRS code 3302), IGN 72 Nuku Hiva / UTM zone 7S (code 2978) and MHEFO 55 / UTM zone 7S (code 3303).

RGPF / UTM zone 8S

Extent: French Polynesia - east of 138°W

```
Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_8S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3299')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_8S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3299')
```

RGR92 / UTM zone 39S

Extent: Reunion - offshore - west of 54°E

```
Projected::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_39S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5644')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_39S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5644')
```

RGR92 / UTM zone 40S

Extent: Reunion - onshore and offshore - east of 54°E

```
Projected::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_40S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2975')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_40S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2975')
```

Replaces Piton des Neiges / TM Reunion (CRS code 2990)

RGRDC 2005 / Congo TM zone 12

Extent: The Democratic Republic of the Congo (Zaire) - west of 13°E onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4048')
```

RGRDC 2005 / Congo TM zone 14

Extent: The Democratic Republic of the Congo (Zaire) - between 13°E to 15°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4049')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4049')
```

RGRDC 2005 / Congo TM zone 16

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 15°E and 17°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4050')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4050')
```

RGRDC 2005 / Congo TM zone 18

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 17°E and 19°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4051')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4051')
```

RGRDC 2005 / Congo TM zone 20

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 19°E and 21°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4056')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4056')
```

RGRDC 2005 / Congo TM zone 22

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 21°E and 23°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4057')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4057')
```

RGRDC 2005 / Congo TM zone 24

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 23°E and 25°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4058')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4058')
```

RGRDC 2005 / Congo TM zone 26

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 25°E and 27°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4059')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4059')
```

RGRDC 2005 / Congo TM zone 28

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 27°E and 29°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4060')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4060')
```

RGRDC 2005 / Congo TM zone 30

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and east of 29°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5844')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5844')
```

RGRDC 2005 / UTM zone 33S

Extent: The Democratic Republic of the Congo (Zaire) - onshore and offshore south of a line through Bandundu, Seke and Pweto and between 12°E and 18°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4061')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4061')
```

RGRDC 2005 / UTM zone 34S

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and between 18°E and 24°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4062')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4062')
```

RGRDC 2005 / UTM zone 35S

Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto and east of 24°E

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4063')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4063')
```

RGSH2020 / UTM zone 29N

Extent: Algeria - west of 6°W (of Greenwich)

```
Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22229')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22229')
```

RGSH2020 / UTM zone 30N

Extent: Algeria - between 6°W and 0°W (of Greenwich), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22230')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22230')
```

RGSH2020 / UTM zone 31N

Extent: Algeria - between 0°E and 6°E (of Greenwich), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22231')
```

RGSH2020 / UTM zone 32N

Extent: Algeria - east of 6°E (of Greenwich), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::22232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::22232')
```

RGSPM06 / UTM zone 21N

Extent: St Pierre and Miquelon - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGSPM06_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4467')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGSPM06_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4467')
```

Replaces Saint Pierre et Miquelon 1950 / UTM zone 21N (CRS code 2987).

RGTAAF07 / UTM zone 37S

Extent: French Southern Territories - Europa onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7074')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7074')
```

Replaces MHM 1954 / UTM zone 37S.

RGTAAF07 / UTM zone 38S

Extent: French Southern Territories - Crozet offshore west of 48°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7075')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7075')
```

RGTAAF07 / UTM zone 39S

Extent: French Southern Territories - Crozet onshore and offshore between 48°E to 54°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_39S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7076')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_39S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7076')
```

Replaces IGN 1963-64 / UTM zone 39S.

RGTAAF07 / UTM zone 40S

Extent: French Southern Territories - Crozet offshore east of 54°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_40S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7077')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_40S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7077')
```

RGTAAF07 / UTM zone 41S

Extent: French Southern Territories - Kerguelen offshore west of 66°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_41S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7078')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_41S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7078')
```

RGTAAF07 / UTM zone 42S

Extent: French Southern Territories - Kerguelen onshore and offshore between 66°E and 72°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_42S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7079')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_42S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7079')
```

Replaces IGN 1962 Kerguelen / UTM zone 42S (CRS code 3336).

RGTAAF07 / UTM zone 43S

Extent: French Southern Territories - Kerguelen offshore east of 72°E and Amsterdam & St Paul onshore and offshore west of 78°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_43S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7080')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_43S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7080')
```

On Amsterdam island replaces IGN 1963-64 / UTM zone 43S. On St Paul island replaces St Paul 1969 / UTM zone 43S.

RGTAAF07 / UTM zone 44S

Extent: French Southern Territories - Amsterdam & St Paul offshore east of 78°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_44S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7081')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_44S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7081')
```

RGTAAF07 / UTM zone 53S

Extent: Antarctica - Adelie Land - coastal area between 136°E and 138°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8455')
```

RGTAAF07 / UTM zone 54S

Extent: Antarctica - Adelie Land - coastal area between 138°E and 142°E

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8456')
```

RGWF96 / UTM zone 1S

Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Projected::fromSRID(Projected::EPSG_RGWF96_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8903')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RGWF96_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8903')
```

On Wallis island, replaces MOP78 / UTM zone 1S (CRS code 2988).

RRAF 1991 / UTM zone 20N

Extent: French Antilles onshore and offshore west of 60°W - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; northern St Martin

```
Projected::fromSRID(Projected::EPSG_RRAF_1991_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RRAF_1991_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4559')
```

Replaces Sainte Anne / UTM zone 20N and Fort Marigot / UTM zone 20N (CRS codes 2969-70) in Guadeloupe and Fort Desaix / UTM zone 20N (CRS code 2973) in Martinique. Replaced by RGAF09 / UTM zone 20N (CRS code 5490).

RSAO13 / TM 12 SE

Extent: Angola - Angola proper - offshore

```
Projected::fromSRID(Projected::EPSG_RSAO13_TM_12_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9159')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSAO13_TM_12_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9159')
```

Used for exploration and production geoscience activity. Note: WGS 84 / TM 12 SE (CRS code 5842) used for Angola LNG project. CRS 5842 may be considered to be consistent with this CRS to an accuracy of better than 1m.

RSAO13 / UTM zone 32S

Extent: Angola - west of 12°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9156')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9156')
```

RSAO13 / UTM zone 33S

Extent: Angola - between 12°E and 18°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9157')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9157')
```

RSAO13 / UTM zone 34S

Extent: Angola - east of 18°E

```
Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9158')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9158')
```

RSRGD2000 / BCLC2000

Extent: Antarctica - Borchgrevink Coast region

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_BCLC2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5480')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSRGD2000_BCLC2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5480')
```

RSRGD2000 / DGLC2000

Extent: Antarctica - Darwin Glacier region

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_DGLC2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSRGD2000_DGLC2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3852')
```

Replaced by RSRGD2000 / MSLC2000 and RSRGD2000 / RSPS2000 and (CRS codes 5479 and 5482) from March 2011. LINZ S20007 withdrawn at this date.

RSRGD2000 / MSLC2000

Extent: Antarctica - McMurdo Sound region

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_MSLC2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5479')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSRGD2000_MSLC2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5479')
```

Replaces RSRGD2000 / DGLC2000 (CRS code 3852) from March 2011.

RSRGD2000 / PCLC2000

Extent: Antarctica - Pennell Coast region

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_PCLC2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5481')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSRGD2000_PCLC2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5481')
```

RSRGD2000 / RSPS2000

Extent: Antarctica - Ross Ice Shelf Region

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_RSPS2000)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5482')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RSRGD2000_RSPS2000)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5482')
```

RT38 0 gon

Extent: Sweden - communes between approximately 16°55'E and 19°10'E; Gotland. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT38_0_GON)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT38_0_GON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3028')
```

Replaced by RT90 0 gon (CRS code 3022).

RT38 2.5 gon O

Extent: Sweden - communes between approximately 19°10'E and 21°25'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT38_2_5_GON_O)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3029')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT38_2_5_GON_O)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3029')
```

Replaced by RT90 2.5 gon O (CRS code 3023).

RT38 2.5 gon V

Extent: Sweden - communes between approximately 14°40'E and 16°55'E. See information source for map, Sweden - onshore

```
Projected::fromSRID(Projected::EPSG_RT38_2_5_GON_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3027')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT38_2_5_GON_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3027')
```

Replaced by RT90 2.5 gon V (CRS code 3021).

RT38 5 gon O

Extent: Sweden - east of approximately 21°26'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT38_5_GON_O)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3030')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT38_5_GON_O)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3030')
```

Replaced by RT90 5 gon O (CRS code 3024).

RT38 5 gon V

Extent: Sweden - communes between approximately 12°26'E and 14°40'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT38_5_GON_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3026')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT38_5_GON_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3026')
```

Replaced by RT90 5 gon V (CRS code 3020).

RT38 7.5 gon V

Extent: Sweden - communes west of approximately 12°26'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT38_7_5_GON_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3025')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT38_7_5_GON_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3025')
```

Replaced by RT90 7.5 gon V (CRS code 3019).

RT90 0 gon

Extent: Sweden - communes between approximately 16°55'E and 19°10'E; Gotland. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT90_0_GON)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3022')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT90_0_GON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3022')
```

Replaces RT38 0 gon (CRS code 3028) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

RT90 2.5 gon O

Extent: Sweden - communes between approximately 19°10'E and 21°25'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT90_2_5_GON_O)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3023')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT90_2_5_GON_O)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3023')
```

Replaces RT38 2.5 gon O (CRS code 3029) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

RT90 2.5 gon V

Extent: Sweden - communes between approximately 14°40'E and 16°55'E. See information source for map, Sweden - onshore

```
Projected::fromSRID(Projected::EPSG_RT90_2_5_GON_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3021')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT90_2_5_GON_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3021')
```

Replaces RT38 2.5 gon V (CRS code 3027) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3006-3018).

RT90 5 gon O

Extent: Sweden - east of approximately 21°26'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT90_5_GON_O)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3024')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT90_5_GON_O)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3024')
```

Replaces RT38 5 gon O (CRS code 3030) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

RT90 5 gon V

Extent: Sweden - communes between approximately 12°26'E and 14°40'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT90_5_GON_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3020')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT90_5_GON_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3020')
```

Replaces RT38 5 gon V (CRS code 3026) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

RT90 7.5 gon V

Extent: Sweden - communes west of approximately 12°26'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_RT90_7_5_GON_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3019')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RT90_7_5_GON_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3019')
```

Replaces RT38 7.5 gon V (CRS code 3025) from 1990. From 2003 replaced by SWEREF systems (CRS codes 3007-3018).

Rassadiran / Nakhl e Taqi

Extent: Iran - Taheri refinery site

```
Projected::fromSRID(Projected::EPSG_RASSADIRAN_NAKHL_E_TAQI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2057')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_RASSADIRAN_NAKHL_E_TAQI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2057')
```

Engineering survey for terminal site only.

Reunion 1947 / TM Reunion

Extent: Reunion - onshore

```
Projected::fromSRID(Projected::EPSG_REUNION_1947_TM_REUNION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3727')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REUNION_1947_TM_REUNION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3727')
```

Replaces Reunion 1947 / Gauss Laborde Reunion (alias Piton des Neiges / Gauss Laborde Reunion). Replaced by RGR92 / UTM zone 40S (CRS code 2975).

Reykjavik 1900 / Lambert 1900

Extent: Iceland - mainland

```
Projected::fromSRID(Projected::EPSG_REYKJAVIK_1900_LAMBERT_1900)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3052')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_REYKJAVIK_1900_LAMBERT_1900)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3052')
```

Replaced by Hjorsey 1955 / Lambert 1955 (CRS code 3053). See ellipsoid remarks.

S-JTSK (Ferro) / Krovak

Extent: Czechia; Slovakia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2065')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2065')
```

Original definition. In Slovakia, deprecated and replaced by Greenwich-meridian equivalent CRS code 5513. In Czechia remains legal system, but see S-JTSK/05 (Ferro) / Modified Krovak (CRS code 5224) for a scientific working system.

S-JTSK (Ferro) / Krovak East North

Extent: Czechia; Slovakia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK_EAST_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK_EAST_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5221')
```

North-orientated alternative for GIS purposes to the south-orientated S-JTSK / Krovak (Ferro) legal system (CRS code 2065) . Coordinates are negative. In SK deprecated and replaced by equivalent CRS referenced to the Greenwich meridian, CRS code 5514.

S-JTSK / Krovak

Extent: Czechia; Slovakia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_KROVAK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5513')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_KROVAK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5513')
```

Equivalent to CRS code 2065 but referenced to Greenwich meridian. In Slovakia remains the legal system for cadastre but for non-cadastral purposes replaced by CRS 8352. In Czechia remains the legal system but see CRS 5515 for a scientific working system.

S-JTSK / Krovak East North

Extent: Czechia; Slovakia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_KROVAK_EAST_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5514')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_KROVAK_EAST_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5514')
```

North-orientated alternative for GIS purposes to south-orientated S-JTSK / Krovak (CRS code 5513) which remains the legal system. Coordinates are negative.

S-JTSK [JTSK03] / Krovak

Extent: Slovakia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8352')
```

Improvement upon the scale and homogineity of S-JTSK / Krovak (CRS code 5513) in Slovakia. See CRS code 8353 for north-orientated alternative used for GIS purposes. For cadastre in Slovakia, use CRS code 5513.

S-JTSK [JTSK03] / Krovak East North

Extent: Slovakia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK_EAST_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK_EAST_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8353')
```

North-orientated alternative to S-JTSK [JTSK03] / Krovak (CRS code 8352) for GIS purposes. Coordinates are negative.

S-JTSK/05 (Ferro) / Modified Krovak

Extent: Czechia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5224')
```

Improves the scale and homogineity of CRS code 2065 in Czechia as a scientific working system, but 2065 remains the legal system. See CRS code 5515 for Greenwich-referenced equivalent; 5225 for north-orientated alternative used for GIS purposes.

S-JTSK/05 (Ferro) / Modified Krovak East North

Extent: Czechia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK_EAST_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK_EAST_
↪NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5225')
```

North-orientated alternative to south-orientated S-JTSK/05 (Ferro) / Modified Krovak (CRS code 5224) for GIS purposes. Coordinates are negative. See CRS code 5516 for Greenwich-referenced equivalent,

S-JTSK/05 / Modified Krovak

Extent: Czechia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5515')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5515')
```

Greenwich-referenced alternative to S-JTSK/05 (Ferro) / Modified Krovak, CRS code 5224. S-JTSK / Krovak, CRS code 5513, remains the legal system.

S-JTSK/05 / Modified Krovak East North

Extent: Czechia

```
Projected::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK_EAST_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5516')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK_EAST_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5516')
```

North-orientated alternative to S-JTSK/05 / Modified Krovak (CRS code 5515) for GIS purposes. Coordinates are negative. See CRS code 5225 for Ferro-referenced equivalent. S-JTSK / Krovak (CRS code 5513) remains the legal system.

S34J reconstruction east-orientated

Extent: Denmark - Jutland and Funen - onshore

```
Projected::fromSRID(Projected::EPSG_S34J_RECONSTRUCTION_EAST_ORIENTATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10160')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S34J_RECONSTRUCTION_EAST_ORIENTATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10160')
```

Reconstruction emulating the historic S34J CRS but with axis direction flip: W (S34J) = E (S34J e-o) * -1, N (S34J) = N (S34J e-o). Defined through CT ETRS89 to S34J-IRF (1) (code 10161) in conjunction with map projection S34-reconstruction (code 10159).

S34S reconstruction east-orientated

Extent: Denmark - Zealand and Lolland (onshore)

```
Projected::fromSRID(Projected::EPSG_S34S_RECONSTRUCTION_EAST_ORIENTATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S34S_RECONSTRUCTION_EAST_ORIENTATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10250')
```

Reconstruction emulating the historic S34S CRS but with axis direction flip: W (S34S) = E (S34S e-o) * -1, N (S34S) = N (S34S e-o). Defined through CT ETRS89 to S34S-IRF (1) (code 10251) in conjunction with map projection S34-reconstruction (code 10159).

S45B reconstruction east-orientated

Extent: Denmark - Bornholm onshore

```
Projected::fromSRID(Projected::EPSG_S45B_RECONSTRUCTION_EAST_ORIENTATED)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_S45B_RECONSTRUCTION_EAST_ORIENTATED)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10254')
```

Reconstruction emulating the historic S45 CRS but with axis direction flip: W (S45B) = E (S45B e-o) * -1, N (S45B) = N (S45B e-o). Defined through CT ETRS89 to S45B-IRF (1) (code 10255) in conjunction with map projection S45B-reconstruction (code 10253).

SAD69 / Brazil Polyconic

Extent: Brazil - onshore and offshore. Includes Rocas, Fernando de Noronha archipelago, Trindade, Ihlas Martim Vaz and Sao Pedro e Sao Paulo

```
Projected::fromSRID(Projected::EPSG_SAD69_BRAZIL_POLYCONIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29101')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_BRAZIL_POLYCONIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29101')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / Brazil Polyconic (CRS code 5530).

SAD69 / UTM zone 17N

Extent: South America between 84°W and 78°W, northern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5463')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5463')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 17S

Extent: South America between 84°W and 78°W, southern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29187')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29187')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 18N

Extent: South America between 78°W and 72°W, northern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29168')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29168')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 18S

Extent: Brazil - west of 72°W. In rest of South America between 78°W and 72°W, southern hemisphere onshore north of 45°S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29188')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29188')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 19N

Extent: South America between 72°W and 66°W, northern hemisphere, onshore, but excluding the area between approximately 0°N, 70°W to 2°N, 70°W to 2°N, 66°W

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29169')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29169')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 19S

Extent: Brazil - between 72°W and 66°W, northern and southern hemispheres. In rest of South America between 72°W and 66°W, southern hemisphere onshore north of 45°S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29189')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29189')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 20N

Extent: South America between 66°W and 60°W, northern hemisphere, onshore, but excluding most of the area south of 4°N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29170')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29170')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 20S

Extent: Brazil - between 66°W and 60°W, northern and southern hemispheres. In rest of South America between 66°W and 60°W, southern hemisphere onshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29190')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29190')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 21N

Extent: South America between 60°W and 54°W, northern hemisphere onshore, but excluding most of the area south of approximately 2°N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29171')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 21S

Extent: Brazil - between 60°W and 54°W, northern and southern hemispheres. In rest of South America between 60°W and 54°W southern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29191')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil, replaced by SAD69(96) / UTM zone 21S (CRS code 5531).

SAD69 / UTM zone 22N

Extent: Brazil - offshore deep water - Amazon cone. In remainder of South America, between 54°W and 48°W, northern hemisphere onshore but excluding most of the area southeast of a line between approximately 2°N, 54°W and 4°N, 52°W

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29172')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29172')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places.

SAD69 / UTM zone 22S

Extent: Brazil - onshore and offshore northern and southern hemispheres between 54°W and 48°W. In remainder of South America - between 54°W and 48°W, southern hemisphere, onshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29192')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29192')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil, replaced by SAD69(96) / UTM zone 22S (CRS code 5532).

SAD69 / UTM zone 23S

Extent: Brazil - between 48°W and 42°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29193')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29193')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / UTM zone 23S (CRS code 5533).

SAD69 / UTM zone 24S

Extent: Brazil - between 42°W and 36°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29194')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29194')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / UTM zone 24S (CRS code 5534).

SAD69 / UTM zone 25S

Extent: Brazil - between 36°W and 30°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29195')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29195')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaced by SAD69(96) / UTM zone 25S (CRS code 5535).

SAD69(96) / Brazil Polyconic

Extent: Brazil - onshore and offshore. Includes Rocas, Fernando de Noronha archipelago, Trindade, Ihlas Martim Vaz and Sao Pedro e Sao Paulo

```
Projected::fromSRID(Projected::EPSG_SAD69_96_BRAZIL_POLYCONIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_BRAZIL_POLYCONIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5530')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 / Brazil Polyconic (CRS code 29101).

SAD69(96) / UTM zone 18S

Extent: Brazil - west of 72°W

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5875')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5875')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil replaces SAD69 / UTM zone 18S (CRS code 29188); replaced by SIRGAS 2000 / UTM zone 18S (CRS code 31978).

SAD69(96) / UTM zone 19S

Extent: Brazil - between 72°W and 66°W, northern and southern hemispheres

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5876')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5876')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil replaces SAD69 / UTM zone 19S (CRS code 29189); replaced by SIRGAS 2000 / UTM zone 19S (CRS code 31979).

SAD69(96) / UTM zone 20S

Extent: Brazil - between 66°W and 60°W, northern and southern hemispheres

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5877')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5877')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. In Brazil replaces SAD69 / UTM zone 20S (CRS code 29190); replaced by SIRGAS 2000 / UTM zone 20S (CRS code 31980).

SAD69(96) / UTM zone 21S

Extent: Brazil - between 60°W and 54°W, northern and southern hemispheres

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5531')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 / UTM zone 21S (CRS code 29191) in Brazil. Replaced by SIRGAS 2000 / UTM zone 21S (CRS code 31981).

SAD69(96) / UTM zone 22S

Extent: Brazil - onshore and offshore northern and southern hemispheres between 54°W and 48°W

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5858')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 / UTM zone 22S (CRS code 29192) in Brazil. Replaced by SIRGAS 2000 / UTM zone 22S (CRS code 31982).

SAD69(96) / UTM zone 23S

Extent: Brazil - between 48°W and 42°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5533')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 / UTM zone 23S (CRS code 29193). Replaced by SIRGAS 2000 / UTM zone 23S (CRS code 31983).

SAD69(96) / UTM zone 24S

Extent: Brazil - between 42°W and 36°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5534')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 / UTM zone 24S (CRS code 29194). Replaced by SIRGAS 2000 / UTM zone 24S (CRS code 31984).

SAD69(96) / UTM zone 25S

Extent: Brazil - between 36°W and 30°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5535')
```

Uses GRS 1967 ellipsoid with 1/f to exactly 2 decimal places. Replaces SAD69 / UTM zone 25S (CRS code 29195). Replaced by SIRGAS 2000 / UTM zone 25S (CRS code 31985).

SCM22 Grid

Extent: United Kingdom (UK) - on or related to the Scottish central mainline rail route from Motherwell through Perth and Pitlochry to Inverness

```
Projected::fromSRID(Projected::EPSG_SCM22_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9972')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCM22_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9972')
```

Defined through transformation ETRS89 to SCM22-IRF (1) (code 9970) and map projection SCM22-TM (code 9971). Emulates the SCM22 Snake projection applied to ETRS89 as realized through OSNet 2009.

SHMG2015

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Projected::fromSRID(Projected::EPSG_SHMG2015)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7887')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SHMG2015)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7887')
```

Replaces previous CRSs (codes 7877, 7878, 7882 and 7883) from 2015.

SIRGAS 1995 / UTM zone 17N

Extent: South America between 84°W and 78°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31986')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31986')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 17S

Extent: Ecuador (mainland whole country including areas in northern hemisphere and east of 78°W), onshore and offshore. In remainder of South America, between 84°W and 78°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31992')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31992')
```

For scientific purposes, replaced by SIRGAS 2000 system. Remains official system in Ecuador.

SIRGAS 1995 / UTM zone 18N

Extent: South America between 78°W and 72°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31987')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31987')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 18S

Extent: South America between 78°W and 72°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31993')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31993')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 19N

Extent: South America between 72°W and 66°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31988')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31988')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 19S

Extent: South America between 72°W and 66°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31994')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31994')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 20N

Extent: South America between 66°W and 60°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31989')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31989')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 20S

Extent: South America between 66°W and 60°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31995')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31995')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 21N

Extent: South America between 60°W and 54°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31990')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31990')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 21S

Extent: South America onshore and offshore, southern hemisphere between 60°W and 54°W

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31996')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31996')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 22N

Extent: South America between 54°W and 48°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31991')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31991')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 22S

Extent: South America between 54°W and 48°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31997')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31997')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 23S

Extent: South America - between 48°W and 42°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31998')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31998')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 24S

Extent: South America - between 42°W and 36°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31999')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31999')
```

Replaced by SIRGAS 2000 system.

SIRGAS 1995 / UTM zone 25S

Extent: South America - between 36°W and 30°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32000')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32000')
```

Replaced by SIRGAS 2000 system.

SIRGAS 2000 / Brazil Mercator

Extent: Brazil - offshore - equatorial margin

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5641')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5641')
```

SIRGAS 2000 / Brazil Polyconic

Extent: Brazil - onshore and offshore. Includes Rocas, Fernando de Noronha archipelago, Trindade, Ihlas Martim Vaz and Sao Pedro e Sao Paulo

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_POLYCONIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5880')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_POLYCONIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5880')
```

Replaces SAD69 / Brazil Polyconic (CRS code 29101) and SAD69(96) / Brazil Polyconic (CRS code 5530).

SIRGAS 2000 / UTM zone 11N

Extent: Latin America between 120°W and 114°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31965')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31965')
```

SIRGAS 2000 / UTM zone 12N

Extent: Latin America between 114°W and 108°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31966')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31966')
```

SIRGAS 2000 / UTM zone 13N

Extent: Latin America between 108°W and 102°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31967')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31967')
```

SIRGAS 2000 / UTM zone 14N

Extent: Latin America between 102°W and 96°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31968')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31968')
```

SIRGAS 2000 / UTM zone 15N

Extent: Latin America - Central and South America - between 96°W and 90°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31969')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31969')
```

SIRGAS 2000 / UTM zone 16N

Extent: Latin America - Central America and South America - between 90°W and 84°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31970')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31970')
```

SIRGAS 2000 / UTM zone 17N

Extent: Latin America - Central America and South America - between 84°W and 78°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31971')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31971')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 17S

Extent: South America between 84°W and 78°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31977')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31977')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 18N

Extent: Latin America - Central America and South America - between 78°W and 72°W, northern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31972')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31972')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 18S

Extent: Brazil west of 72°W. In remainder of South America, between 78°W and 72°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31978')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31978')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 19N

Extent: South America between 72°W and 66°W and north of approximately 2°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31973')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31973')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 19S

Extent: Brazil - between 72°W and 66°W, northern and southern hemispheres. In remainder of South America - between 72°W and 66°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31979')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31979')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 20N

Extent: South America between 66°W and 60°W, north of approximately 4°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31974')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31974')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 20S

Extent: Brazil - between 66°W and 60°W, northern and southern hemispheres. In remainder of South America - between 66°W and 60°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31980')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31980')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 21N

Extent: South America between 60°W and 54°W, north of approximately 2°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31975')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31975')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 21S

Extent: Brazil - between 60°W and 54°W, northern and southern hemispheres. In remainder of South America - between 60°W and 54°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31981')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31981')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 22N

Extent: South America between 54°W and 48°W, northern hemisphere, onshore and offshore except Brazil where offshore only

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31976')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31976')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 22S

Extent: Brazil - between 54°W and 48°W, northern and southern hemispheres, onshore and offshore. In remainder of South America - between 54°W and 48°W, southern hemisphere, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31982')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31982')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 23N

Extent: Brazil - offshore between 48°W and 42°W, northern hemisphere

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6210')
```

The officially-recognised system for this area of offshore Brazil is SIRGAS 2000 / UTM zone 23S (CRS code 31983).

SIRGAS 2000 / UTM zone 23S

Extent: Brazil - between 48°W and 42°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31983')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31983')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 24N

Extent: Brazil - offshore between 42°W and 36°W, northern hemisphere

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6211')
```

The officially-recognised system for this area of offshore Brazil is SIRGAS 2000 / UTM zone 24S (CRS code 31984).

SIRGAS 2000 / UTM zone 24S

Extent: Brazil - between 42°W and 36°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31984')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31984')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 25S

Extent: Brazil - between 36°W and 30°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31985')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31985')
```

Replaces SIRGAS 1995 system.

SIRGAS 2000 / UTM zone 26S

Extent: Brazil - east of 30°W, northern and southern hemispheres, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_26S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5396')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_26S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5396')
```

SIRGAS-Chile 2002 / UTM zone 18S

Extent: Chile - 78°W to 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2002_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5362')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2002_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5362')
```

Replaces PSAD56 / UTM zone 18S (CRS code 24878) in Chile. Replaced by SIRGAS-Chile 2010 / UTM zone 18S (CRS code 8950).

SIRGAS-Chile 2002 / UTM zone 19S

Extent: Chile - 72°W to 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2002_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5361')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2002_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5361')
```

Replaces PSAD56 / UTM zone 19S (CRS code 24879) in Chile. Replaced by SIRGAS-Chile 2010 / UTM zone 19S (CRS code 8951).

SIRGAS-Chile 2010 / UTM zone 18S

Extent: Chile - 78°W to 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8950')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8950')
```

Replaces SIRGAS-Chile 2002 / UTM zone 18S (CRS code 5362). Replaced by SIRGAS-Chile 2013 / UTM zone 18S (CRS code 9149).

SIRGAS-Chile 2010 / UTM zone 19S

Extent: Chile - 72°W to 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8951')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8951')
```

Replaces SIRGAS-Chile 2002 / UTM zone 19S (CRS code 5361). Replaced by SIRGAS-Chile 2013 / UTM zone 19S (CRS code 9150).

SIRGAS-Chile 2013 / UTM zone 18S

Extent: Chile - 78°W to 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9149')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9149')
```

Replaces SIRGAS-Chile 2010 / UTM zone 18S (CRS code 8950). Replaced by SIRGAS-Chile 2016 / UTM zone 18S (CRS code 9154).

SIRGAS-Chile 2013 / UTM zone 19S

Extent: Chile - 72°W to 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9150')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9150')
```

Replaces SIRGAS-Chile 2010 / UTM zone 19S (CRS code 8951). Replaced by SIRGAS-Chile 2016 / UTM zone 19S (CRS code 9155).

SIRGAS-Chile 2016 / UTM zone 18S

Extent: Chile - 78°W to 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2016_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9154')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2016_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9154')
```

Replaces SIRGAS-Chile 2013 / UTM zone 18S (CRS code 9149).

SIRGAS-Chile 2016 / UTM zone 19S

Extent: Chile - 72°W to 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2016_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9155')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2016_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9155')
```

Replaces SIRGAS-Chile 2013 / UTM zone 19S (CRS code 9150).

SIRGAS-Chile 2021 / UTM zone 12S

Extent: Chile - Easter Island onshore and offshore - west of 108°W

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_12S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20042')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_12S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20042')
```

SIRGAS-Chile 2021 / UTM zone 18S

Extent: Chile - 78°W to 72°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20048')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20048')
```

Replaces SIRGAS-Chile 2021 / UTM zone 18S (CRS code 9154).

SIRGAS-Chile 2021 / UTM zone 19S

Extent: Chile - 72°W to 66°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::20049')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20049')
```

Replaces SIRGAS-Chile 2016 / UTM zone 19S (CRS code 9155).

SIRGAS-ROU98 / UTM zone 21S

Extent: Uruguay - west of 54°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_ROU98_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5382')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_ROU98_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5382')
```

SIRGAS-ROU98 / UTM zone 22S

Extent: Uruguay - east of 54°W, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SIRGAS_ROU98_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIRGAS_ROU98_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5383')
```

SLD99 / Sri Lanka Grid 1999

Extent: Sri Lanka - onshore

```
Projected::fromSRID(Projected::EPSG_SLD99_SRI_LANKA_GRID_1999)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SLD99_SRI_LANKA_GRID_1999)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5235')
```

Used in parallel with Kandawala / Sri Lanka Grid (CRS code 5234).

SMITB20 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Okehampton to Penstone

```
Projected::fromSRID(Projected::EPSG_SMITB20_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SMITB20_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10275')
```

Defined through transformation ETRS89 to SMITB20-IRF (1) (code 10273) and map projection SMITB20-TM (code 10274). Emulates the SMITB20 Snake projection applied to ETRS89 as realized through OSNet 2009.

SRB_ETRS89 / UTM zone 34N

Extent: Serbia including Vojvodina

```
Projected::fromSRID(Projected::EPSG_SRB_ETRS89_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8682')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRB_ETRS89_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8682')
```

Between 2012 and 2017 the CS axes were sometimes labelled Y,X.

SRGI2013 / UTM zone 46N

Extent: Indonesia - north of equator and west of 96°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9476')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9476')
```

Replaces DGN95 / UTM zone 46N.

SRGI2013 / UTM zone 47N

Extent: Indonesia - north of equator and between 96°E and 102°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9477')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9477')
```

Replaces DGN95 / UTM zone 47N.

SRGI2013 / UTM zone 47S

Extent: Indonesia - south of equator and between 96°E and 102°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_47S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9487')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_47S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9487')
```

Replaces DGN95 / UTM zone 47S.

SRGI2013 / UTM zone 48N

Extent: Indonesia - north of equator and between 102°E and 108°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9478')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9478')
```

Replaces DGN95 / UTM zone 48N.

SRGI2013 / UTM zone 48S

Extent: Indonesia - south of equator and between 102°E and 108°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9488')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9488')
```

Replaces DGN95 / UTM zone 48S.

SRGI2013 / UTM zone 49N

Extent: Indonesia - north of equator and between 108°E and 114°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9479')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9479')
```

Replaces DGN95 / UTM zone 49N.

SRGI2013 / UTM zone 49S

Extent: Indonesia - south of equator and between 108°E and 114°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9489')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9489')
```

Replaces DGN95 / UTM zone 49S.

SRGI2013 / UTM zone 50N

Extent: Indonesia - north of equator and between 114°E and 120°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9480')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9480')
```

Replaces DGN95 / UTM zone 50N.

SRGI2013 / UTM zone 50S

Extent: Indonesia - south of equator and between 114°E and 120°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9490')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9490')
```

Replaces DGN95 / UTM zone 50S.

SRGI2013 / UTM zone 51N

Extent: Indonesia - north of equator and between 120°E and 126°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9481')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9481')
```

Replaces DGN95 / UTM zone 51N.

SRGI2013 / UTM zone 51S

Extent: Indonesia - south of equator and between 120°E and 126°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9491')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9491')
```

Replaces DGN / UTM zone 51S.

SRGI2013 / UTM zone 52N

Extent: Indonesia - north of equator and between 126°E and 132°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9482')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9482')
```

Replaces DGN95 / UTM zone 52N.

SRGI2013 / UTM zone 52S

Extent: Indonesia - south of equator and between 126°E and 132°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9492')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9492')
```

Replaces DGN95 / UTM zone 52S.

SRGI2013 / UTM zone 53S

Extent: Indonesia - south of equator and between 132°E and 138°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9493')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9493')
```

Replaces DGN95 / UTM zone 53S.

SRGI2013 / UTM zone 54S

Extent: Indonesia - south of equator and east of 138°E - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9494')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9494')
```

Replaces DGN95 / UTM zone 54S.

ST71 Belep / UTM zone 58S

Extent: New Caledonia - Belep

```
Projected::fromSRID(Projected::EPSG_ST71_BELEP_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2997')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST71_BELEP_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2997')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

ST74

Extent: Sweden - Stockholm commune

```
Projected::fromSRID(Projected::EPSG_ST74)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3152')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST74)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3152')
```

Simulation of engineering (local) coordinate reference system through a Sweref-related projected CRS. Accuracy better than 0.05m. Replaced by County ST74 (CRS code 3854).

ST84 Ile des Pins / UTM zone 58S

Extent: New Caledonia - Ile des Pins

```
Projected::fromSRID(Projected::EPSG_ST84_ILE_DES_PINS_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2996')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST84_ILE_DES_PINS_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2996')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

ST87 Ouvea / UTM zone 58S

Extent: New Caledonia - Loyalty Islands - Ouvea

```
Projected::fromSRID(Projected::EPSG_ST87_OUVEA_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3164')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST87_OUVEA_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3164')
```

Replaced by RGNC91-93 / Lambert Caledonie (CRS code 3163).

SVY21 / Singapore TM

Extent: Singapore - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SVY21_SINGAPORE_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SVY21_SINGAPORE_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3414')
```

For cadastral purposes, replaces Kertau 1968 / Singapore Grid (CRS code 24500) from August 2004.

SWEREF99 / RT90 0 gon emulation

Extent: Sweden - communes between approximately 16°55'E and 19°10'E; Gotland. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_0_GON_EMULATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3848')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_RT90_0_GON_EMULATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3848')
```

Approximates RT90 0 gon (CRS code 3022) to an accuracy of 0.2m.

SWEREF99 / RT90 2.5 gon O emulation

Extent: Sweden - communes between approximately 19°10'E and 21°25'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_O_EMULATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_O_EMULATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3849')
```

Approximates RT90 2.5 gon O (CRS code 3023) to an accuracy of 0.2m.

SWEREF99 / RT90 2.5 gon V emulation

Extent: Sweden - communes between approximately 14°40'E and 16°55'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_V_EMULATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3847')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_V_EMULATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3847')
```

Approximates RT90 2.5 gon V (CRS code 3021) to an accuracy of 0.2m.

SWEREF99 / RT90 5 gon O emulation

Extent: Sweden - east of approximately 21°26'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_O_EMULATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_O_EMULATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3850')
```

Approximates RT90 5 gon O (CRS code 3024) to an accuracy of 0.2m.

SWEREF99 / RT90 5 gon V emulation

Extent: Sweden - communes between approximately 12°26'E and 14°40'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_V_EMULATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3846')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_V_EMULATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3846')
```

Approximates RT90 5 gon V (CRS code 3020) to an accuracy of 0.2m.

SWEREF99 / RT90 7.5 gon V emulation

Extent: Sweden - communes west of approximately 12°26'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_7_5_GON_V_EMULATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3845')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_RT90_7_5_GON_V_EMULATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3845')
```

Approximates RT90 7.5 gon V (CRS code 3019) to an accuracy of 0.2m.

SWEREF99 12 00

Extent: Sweden - communes west of approximately 12°45'E and south of approximately 60°N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_12_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3007')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_12_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3007')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 13 30

Extent: Sweden - communes between approximately 12°45'E and 14°15'E and south of approximately 62°10'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_13_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3008')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_13_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3008')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 14 15

Extent: Sweden - communes west of approximately 15°E and between approximately 61°35'N and 64°25'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_14_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3012')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_14_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3012')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 15 00

Extent: Sweden - communes between approximately 14°15'E and 15°45'E and south of approximately 61°30'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_15_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3009')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_15_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3009')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 15 45

Extent: Sweden - communes between approximately 15°E and 16°30'E and between approximately 60°30'N and 65°N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_15_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3013')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_15_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3013')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 16 30

Extent: Sweden - communes between approximately 15°45'E and 17°15'E and south of approximately 62°20'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_16_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3010')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_16_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3010')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 17 15

Extent: Sweden - communes between approximately 14°20'E and 18°50'E and between approximately 67°10'N and 62°05'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_17_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3014')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_17_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3014')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 18 00

Extent: Sweden - communes east of approximately 17°15'E between approximately 60°40'N and 58°50'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_18_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3011')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_18_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3011')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 18 45

Extent: Sweden - mainland communes between approximately 18°E and 19°30'E and between approximately 62°50'N and 66°N. Also Gotland. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_18_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3015')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_18_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3015')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 20 15

Extent: Sweden - communes in Vaasterbotten east of approximately 19°30'E and (i) north of 63°30'N and (ii) south of approximately 65°05'N. Also Norbotten west of approximately 23°20'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_20_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3016')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_20_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3016')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 21 45

Extent: Sweden - communes in Norbotten east of approximately 19°30'E and south of approximately 65°50'N. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_21_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3017')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_21_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3017')
```

From 2003 replaces RT90 systems (CRS codes 3019-24). For medium and small scale applications see SWEREF 99 TM (CRS code 3006).

SWEREF99 23 15

Extent: Sweden - communes east of approximately 21°50'E. See information source for map

```
Projected::fromSRID(Projected::EPSG_SWEREF99_23_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3018')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_23_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3018')
```

From 2003 replaces RT90 systems (CRS codes 3019-24).

SWEREF99 TM

Extent: Sweden - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SWEREF99_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3006')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SWEREF99_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3006')
```

From 2003 replaces RT90 2.5 gon V (CRS code 3021). For large scale applications see CRS codes 3007-18.

SYC20 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Crewe

```
Projected::fromSRID(Projected::EPSG_SYC20_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SYC20_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10240')
```

The CRS's definition through transformation ETRS89 to SYC20-IRF (1) (code 10238) and map projection SYC20-TM (code 10239) emulates the SYC20 Snake projection applied to ETRS89 as realized through OSNet 2009.

Saint Pierre et Miquelon 1950 / UTM zone 21N

Extent: St Pierre and Miquelon - onshore

```
Projected::fromSRID(Projected::EPSG_SAINT_PIERRE_ET_MIQUELON_1950_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2987')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAINT_PIERRE_ET_MIQUELON_1950_UTM_
↪ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2987')
```

Replaced by RGSPM06 / UTM zone 21N (CRS code 4467).

Sapper Hill 1943 / UTM zone 20S

Extent: Falkland Islands (Malvinas) - onshore west of 60°W

```
Projected::fromSRID(Projected::EPSG_SAPPER_HILL_1943_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAPPER_HILL_1943_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29220')
```

Sapper Hill 1943 / UTM zone 21S

Extent: Falkland Islands (Malvinas) - onshore east of 60°W

```
Projected::fromSRID(Projected::EPSG_SAPPER_HILL_1943_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SAPPER_HILL_1943_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29221')
```

Schwarzeck / Lo22/11

Extent: Namibia - onshore west of 12°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29371')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29371')
```

Schwarzeck / Lo22/13

Extent: Namibia - onshore between 12°E and 14°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29373')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29373')
```

Schwarzeck / Lo22/15

Extent: Namibia - onshore between 14°E and 16°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29375')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29375')
```

Schwarzeck / Lo22/17

Extent: Namibia - onshore between 16°E and 18°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29377')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29377')
```

Schwarzeck / Lo22/19

Extent: Namibia - between 18°E and 20°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29379')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29379')
```

Schwarzeck / Lo22/21

Extent: Namibia - between 20°E and 22°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29381')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29381')
```

Schwarzeck / Lo22/23

Extent: Namibia - between 22°E and 24°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29383')
```

Schwarzeck / Lo22/25

Extent: Namibia - east of 24°E

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29385')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_LO22_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29385')
```

Schwarzeck / UTM zone 33S

Extent: Namibia - offshore

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCHWARZECK_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29333')
```

CARE! The ellipsoid semi-major axis dimension is defined in German Legal Metres as 6377397.155 GLM but for the CRS needs to9 be converted to CRS units of International metres as 6377483.865 m.

Scoresbysund 1952 / Greenland zone 5 east

Extent: Greenland - east coast onshore - between 69°N and 72°N

```
Projected::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_5_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_5_
↪EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2218')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Scoresbysund 1952 / Greenland zone 6 east

Extent: Greenland - east coast onshore - between 68°N and 69°N

```
Projected::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_6_EAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_6_
↪EAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2221')
```

Historically also found with coordinate system axis abbreviations N/E (CS code 4501); second axis has abbreviation E but is positive to the west.

Segara (Jakarta) / NEIEZ

Extent: Indonesia - Kalimantan - onshore east coastal area including Mahakam delta coastal and offshore shelf areas

```
Projected::fromSRID(Projected::EPSG_SEGARA_JAKARTA_NEIEZ)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SEGARA_JAKARTA_NEIEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5329')
```

Replaced by Greenwich-based Segara / NEIEZ (CRS code 3000).

Segara / NEIEZ

Extent: Indonesia - Kalimantan - onshore east coastal area including Mahakam delta coastal and offshore shelf areas

```
Projected::fromSRID(Projected::EPSG_SEGARA_NEIEZ)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3000')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SEGARA_NEIEZ)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3000')
```

Segara / UTM zone 50S

Extent: Indonesia - east Kalimantan - Mahakam delta coastal and offshore shelf areas

```
Projected::fromSRID(Projected::EPSG_SEGARA_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2933')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SEGARA_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2933')
```

Selvagem Grande / UTM zone 28N

Extent: Portugal - Selvagens islands (Madeira province) - onshore

```
Projected::fromSRID(Projected::EPSG_SELVAGEM_GRANDE_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2943')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SELVAGEM_GRANDE_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2943')
```

ShAb07 Grid

Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Aberystwyth

```
Projected::fromSRID(Projected::EPSG_SHAB07_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10188')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SHAB07_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10188')
```

Defined through transformation ETRS89 to ShAb07-IRF (1) (code 10186) and map projection ShAb07-TM (code 10187). Emulates the ShAb07 Snake projection applied to ETRS89 as realized through OSNet 2009.

Sibun Gorge 1922 / Colony Grid

Extent: Belize - onshore

```
Projected::fromSRID(Projected::EPSG_SIBUN_GORGE_1922_COLONY_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5589')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIBUN_GORGE_1922_COLONY_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5589')
```

Sierra Leone 1924 / New Colony Grid

Extent: Sierra Leone - Freetown Peninsula

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_COLONY_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2159')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_COLONY_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2159')
```

Replaces the Sierra Leone 1924 / Colony Grid. New grid is 422.3 ft west and 112.1 ft south of old grid. Ellipsoid semi-major axis (a)=20926201 Gold Coast feet; 1 Gold Coast foot = 0.3047997101815 m.

Sierra Leone 1924 / New War Office Grid

Extent: Sierra Leone - Freetown Peninsula

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_WAR_OFFICE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2160')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_WAR_OFFICE_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2160')
```

Replaces the Sierra Leone War Office Grid. New grid is 422.3 ft west and 112.1 ft south of old grid. Ellipsoid semi-major axis (a)=20926201 Gold Coast feet; 1 Gold Coast foot = 0.3047997101815 m.

Sierra Leone 1968 / UTM zone 28N

Extent: Sierra Leone - onshore west of 12°W

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2161')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2161')
```

Replaces Sierra Leone 1960 / UTM zone 28N. The 1968 readjustment coordinates are within 3m of the 1960 provisional adjustment.

Sierra Leone 1968 / UTM zone 29N

Extent: Sierra Leone - onshore east of 12°W

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2162')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2162')
```

Replaces Sierra Leone 1960 / UTM zone 29N. The 1968 readjustment coordinates are within 3m of the 1960 provisional adjustment.

Sister Islands National Grid 1961

Extent: Cayman Islands - Little Cayman and Cayman Brac

```
Projected::fromSRID(Projected::EPSG_SISTER_ISLANDS_NATIONAL_GRID_1961)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6129')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SISTER_ISLANDS_NATIONAL_GRID_1961)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6129')
```

Slovenia 1996 / Slovene National Grid

Extent: Slovenia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SLOVENIA_1996_SLOVENE_NATIONAL_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3794')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SLOVENIA_1996_SLOVENE_NATIONAL_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3794')
```

Replaces D48/GK (CRS code 3787).

Slovenia 1996 / UTM zone 33N

Extent: Slovenia - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_SLOVENIA_1996_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8687')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SLOVENIA_1996_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8687')
```

May be taken as approximation for WGS 84 / UTM zone 33N for applications with 1m accuracy. D96/TM (CRS code 3794) used for non-military purposes.

South East Island 1943 / UTM zone 40N

Extent: Seychelles - Mahe, Silhouette, North, Aride Island, Praslin, La Digue and Frigate islands including adjacent smaller granitic islands on the Seychelles Bank, Bird Island and Denis Island

```
Projected::fromSRID(Projected::EPSG_SOUTH_EAST_ISLAND_1943_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6915')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SOUTH_EAST_ISLAND_1943_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6915')
```

South Yemen / Gauss-Kruger zone 8

Extent: Yemen - South Yemen onshore mainland west of 48°E

```
Projected::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2395')
```

South Yemen / Gauss-Kruger zone 9

Extent: Yemen - South Yemen onshore mainland east of 48°E

```
Projected::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2396')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2396')
```

St. Helena Tritan / SHLG(Tritan)

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Projected::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_SHLG_TRITAN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7882')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_SHLG_TRITAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7882')
```

Replaced by SHMG2015 (CRS code 7887) from 2015.

St. Helena Tritan / UTM zone 30S

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Projected::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_UTM_ZONE_30S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7883')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_UTM_ZONE_30S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7883')
```

Replaced by SHMG2015 (CRS code 7887) from 2015.

St. Kitts 1955 / British West Indies Grid

Extent: St Kitts and Nevis - onshore

```
Projected::fromSRID(Projected::EPSG_ST_KITTS_1955_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2005')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST_KITTS_1955_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2005')
```

St. Lucia 1955 / British West Indies Grid

Extent: St Lucia - onshore

```
Projected::fromSRID(Projected::EPSG_ST_LUCIA_1955_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2006')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST_LUCIA_1955_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2006')
```

St. Stephen Grid (Ferro)

Extent: Austria - Lower Austria. Czechia - Moravia and Czech Silesia

```
Projected::fromSRID(Projected::EPSG_ST_STEPHEN_GRID_FERRO)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8045')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST_STEPHEN_GRID_FERRO)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8045')
```

St. Vincent 45 / British West Indies Grid

Extent: St Vincent and the northern Grenadine Islands - onshore

```
Projected::fromSRID(Projected::EPSG_ST_VINCENT_45_BRITISH_WEST_INDIES_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2007')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ST_VINCENT_45_BRITISH_WEST_INDIES_
↪GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2007')
```

TC(1948) / UTM zone 39N

Extent: United Arab Emirates (UAE) - Abu Dhabi onshore west of 54°E

```
Projected::fromSRID(Projected::EPSG_TC_1948_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TC_1948_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30339')
```

TC(1948) / UTM zone 40N

Extent: United Arab Emirates (UAE) - Abu Dhabi onshore east of 54°E; Dubai onshore

```
Projected::fromSRID(Projected::EPSG_TC_1948_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TC_1948_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30340')
```

TGD2005 / Tonga Map Grid

Extent: Tonga - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TGD2005_TONGA_MAP_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5887')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TGD2005_TONGA_MAP_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5887')
```

TM65 / Irish Grid

Extent: Ireland - onshore

```
Projected::fromSRID(Projected::EPSG_TM65_IRISH_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29902')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TM65_IRISH_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29902')
```

Not used in Northern Ireland. Replaced by TM75 / Irish Grid (code 29903) in 1975.

TM75 / Irish Grid

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Projected::fromSRID(Projected::EPSG_TM75_IRISH_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29903')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TM75_IRISH_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29903')
```

Replaces both OSNI 1952 / Irish National Grid (code 29901) and TM65 / Irish Grid (code 29902) from 1975. Replaced by IRENET95 / Irish Transverse Mercator (code 2157) from 1/1/2001.

TPEN11 Grid

Extent: United Kingdom (UK) - on or related to the Trans-Pennine rail route from Liverpool via Manchester to Bradford and Leeds

```
Projected::fromSRID(Projected::EPSG_TPEN11_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9367')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TPEN11_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9367')
```

The CRS's definition through transformation ETRS89 to TPEN11-IRF (1) (code 9365) and map projection TPEN11-TM (code 9366) emulates the combined TPEN11 Snake and TPEN11ext Snake projections applied to ETRS89 as realized through OSNet 2009 CORS.

TUREF / 3-degree Gauss-Kruger zone 10

Extent: Türkiye (Turkey) - between 28°30'E and 31°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5270')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5270')
```

Also found with truncated false easting - see TUREF / TM30 (code 5254).

TUREF / 3-degree Gauss-Kruger zone 11

Extent: Türkiye (Turkey) - between 31°30'E and 34°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5271')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5271')
```

Also found with truncated false easting - see TUREF / TM33 (code 5255).

TUREF / 3-degree Gauss-Kruger zone 12

Extent: Türkiye (Turkey) - between 34°30'E and 37°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5272')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5272')
```

Also found with truncated false easting - see TUREF / TM36 (code 5256).

TUREF / 3-degree Gauss-Kruger zone 13

Extent: Türkiye (Turkey) - between 37°30'E and 40°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5273')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5273')
```

Also found with truncated false easting - see TUREF / TM39 (code 5257).

TUREF / 3-degree Gauss-Kruger zone 14

Extent: Türkiye (Turkey) - between 40°30'E and 43°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5274')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5274')
```

Also found with truncated false easting - see TUREF / TM42 (code 5258).

TUREF / 3-degree Gauss-Kruger zone 15

Extent: Türkiye (Turkey) - east of 43°30'E

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5275')
```

Also found with truncated false easting - see TUREF / TM45 (code 5259).

TUREF / 3-degree Gauss-Kruger zone 9

Extent: Türkiye (Turkey) - west of 28°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5269')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5269')
```

Also found with truncated false easting - see TUREF / TM27 (code 5253).

TUREF / LAEA Europe

Extent: Türkiye (Turkey) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TUREF_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5636')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5636')
```

At applicable scales and usages, may be considered consistent with ETRS89-extended / LAEA Europe (CRS code 3035): see CT 9049.

TUREF / LCC Europe

Extent: Türkiye (Turkey) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TUREF_LCC_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5637')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_LCC_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5637')
```

At applicable scales (1:500,000 and smaller) may be considered consistent with ETRS89-extended / LCC Europe (CRS code 3034): see CT 9050.

TUREF / TM27

Extent: Türkiye (Turkey) - west of 28°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_TM27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5253')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 9 (code 5269).

TUREF / TM30

Extent: Türkiye (Turkey) - between 28°30'E and 31°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_TM30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5254')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 10 (code 5270).

TUREF / TM33

Extent: Türkiye (Turkey) - between 31°30'E and 34°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_TM33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5255')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 11 (code 5271).

TUREF / TM36

Extent: Türkiye (Turkey) - between 34°30'E and 37°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_TM36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5256')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 12 (code 5272).

TUREF / TM39

Extent: Türkiye (Turkey) - between 37°30'E and 40°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_TM39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5257')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 13 (code 5273).

TUREF / TM42

Extent: Türkiye (Turkey) - between 40°30'E and 43°30'E, onshore

```
Projected::fromSRID(Projected::EPSG_TUREF_TM42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5258')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 14 (code 5274).

TUREF / TM45

Extent: Türkiye (Turkey) - east of 43°30'E

```
Projected::fromSRID(Projected::EPSG_TUREF_TM45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TUREF_TM45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5259')
```

Also found with zone number prefix to false easting - see TUREF / 3-degree Gauss-Kruger zone 15 (code 5275).

TWD67 / TM2 zone 119

Extent: Taiwan, Republic of China - onshore - Penghu (Pescadores) Islands

```
Projected::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_119)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3827')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_119)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3827')
```

Except for cadastral use, replaced by TWD97 / TM2 zone 119 (CRS code 3825).

TWD67 / TM2 zone 121

Extent: Taiwan, Republic of China - onshore - Taiwan Island

```
Projected::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_121)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3828')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_121)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3828')
```

Except for cadastral use, replaced by TWD97 / TM2 zone 121 (CRS code 3826).

TWD97 / TM2 zone 119

Extent: Taiwan, Republic of China - between 118°E and 120°E, onshore and offshore - Penghu (Pescadores) Islands

```
Projected::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_119)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3825')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_119)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3825')
```

Except for cadastral use, replaces TWD67 / TM2 zone 119 (CRS code 3827).

TWD97 / TM2 zone 121

Extent: Taiwan, Republic of China - between 120°E and 122°E, onshore and offshore - Taiwan Island

```
Projected::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_121)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_121)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3826')
```

Except for cadastral use, replaces TWD67 / TM2 zone 121 (CRS code 3828).

Tahaa 54 / UTM zone 5S

Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea and Tahaa

```
Projected::fromSRID(Projected::EPSG_TAHAA_54_UTM_ZONE_5S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2977')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TAHAA_54_UTM_ZONE_5S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2977')
```

Replaced by RGPF / UTM zone 5S, CRS code 3296.

Tahiti 52 / UTM zone 6S

Extent: French Polynesia - Society Islands - Moorea and Tahiti

```
Projected::fromSRID(Projected::EPSG_TAHITI_52_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2976')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TAHITI_52_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2976')
```

Replaced by Tahiti 79 / UTM zone 6S (CRS code 3304) in Tahiti and Moorea 87 / UTM zone 6S (code 3305) in Moorea.

Tahiti 79 / UTM zone 6S

Extent: French Polynesia - Society Islands - Tahiti

```
Projected::fromSRID(Projected::EPSG_TAHITI_79_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3304')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TAHITI_79_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3304')
```

Replaces Tahiti 52 / UTM zone 6S (CRS code 2976) in Tahiti. Replaced by RGPF / UTM zone 6S, CRS code 3297.

Tananarive (Paris) / Laborde Grid

Extent: Madagascar - onshore

```
Projected::fromSRID(Projected::EPSG_TANANARIVE_PARIS_LABORDE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29701')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TANANARIVE_PARIS_LABORDE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29701')
```

See Tananarive / Laborde Grid (CRS code 8441) for equivalent referenced to Greenwich. May be approximated by Tananarive (Paris) / Laborde Grid approximation - see CRS code 29702.

Tananarive (Paris) / Laborde Grid approximation

Extent: Madagascar - onshore

```
Projected::fromSRID(Projected::EPSG_TANANARIVE_PARIS_LABORDE_GRID_APPROXIMATION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29702')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TANANARIVE_PARIS_LABORDE_GRID_
↪APPROXIMATION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29702')
```

See projection remarks.

Tananarive / Laborde Grid

Extent: Madagascar - onshore

```
Projected::fromSRID(Projected::EPSG_TANANARIVE_LABORDE_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8441')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TANANARIVE_LABORDE_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8441')
```

See Tananarive (Paris) / Laborde Grid (CRS code 29701) for original definition in grads with respect to the Paris meridian. This is equivalent.

Tananarive / UTM zone 38S

Extent: Madagascar - nearshore west of 48°E

```
Projected::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29738')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29738')
```

Tananarive / UTM zone 39S

Extent: Madagascar - nearshore east of 48°E

```
Projected::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_39S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29739')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_39S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29739')
```

Tapi Aike / Argentina 1

Extent: Argentina - Santa Cruz province south of approximately 50°20'S and west of 70°30'W

```
Projected::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9249')
```

Tapi Aike / Argentina 2

Extent: Argentina - Santa Cruz province south of approximately 50°20'S and east of 70°30'W

```
Projected::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9250')
```

Tete / UTM zone 36S

Extent: Mozambique - onshore west of 36°E

```
Projected::fromSRID(Projected::EPSG_TETE_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2736')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TETE_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2736')
```

Tete / UTM zone 37S

Extent: Mozambique - onshore east of 36°E

```
Projected::fromSRID(Projected::EPSG_TETE_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2737')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TETE_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2737')
```

Timbalai 1948 / RSO Borneo (ch)

Extent: Brunei - onshore and offshore; Malaysia - East Malaysia (Sabah; Sarawak) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_CH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29871')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_CH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29871')
```

Adopts ellipsoid metric conversion of 39.370147 inches per metre. Replaced by metric projection version (CRS code 29873). See also foot version (CRS code 29872) for Shell ops in E Malaysia.

Timbalai 1948 / RSO Borneo (ftSe)

Extent: Malaysia - East Malaysia (Sabah; Sarawak), onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_FTSE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29872')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_FTSE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29872')
```

Used by Shell in East Malaysia. Original projection definition in chains (1 chain = 66 feet) - see CRS code 29871. See also CRS code 29873 for metric version.

Timbalai 1948 / RSO Borneo (m)

Extent: Brunei - onshore and offshore; Malaysia - East Malaysia (Sabah; Sarawak) - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29873')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29873')
```

Originally defined in chains of 792 inches, see CRS 29871 and 29872. Adopts Sears 1922 conversion of 39.370147 inches per metre. Replaced by CRS 3376 in East Malaysia and CRS 5247 in Brunei. See also CRS 29874 used by the Sarawak Land and Survey Dept.

Timbalai 1948 / RSO Sarawak LSD (m)

Extent: Malaysia - East Malaysia - Sarawak onshore

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_SARAWAK_LSD_M)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29874')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_SARAWAK_LSD_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29874')
```

Used by the Land and Survey Department, Sarawak, Malaysia. Modified from Timbalai 1948 / RSO Borneo (m) CRS code 29873 by adding 2 million to the false easting and 5 million to the false northing.

Timbalai 1948 / UTM zone 49N

Extent: Brunei - offshore west of 114°E; Malaysia - East Malaysia (Sarawak) onshore and offshore west of 114°E)

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29849')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TIMBALAI_1948_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29849')
```

Timbalai 1948 / UTM zone 50N

Extent: Brunei - onshore and offshore east of 114°E; Malaysia - East Malaysia (Sabah, Sarawak) onshore and offshore east of 114°E)

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::29850')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TIMBALAI_1948_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::29850')
```

Tokyo / Japan Plane Rectangular CS I

Extent: Japan - onshore - Kyushu west of approximately 130°E - Nagasaki-ken; islands of Kagoshima-ken between 27°N and 32°N and between 128°18'E and 130°E (between 128°18'E and 30°13'E for Amami islands)

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_I)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30161')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_I)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30161')
```

Replaced by JGD2000 / Japan Plane Rectangular CS I (code 2443) from April 2002.

Tokyo / Japan Plane Rectangular CS II

Extent: Japan - onshore - Kyushu east of approximately 130°E - Fukuoka-ken; Saga-ken; Kumamoto-ken; Oita-ken; Miyazaki-ken; Kagoshima-ken (except for area within Japan Plane Rectangular Coordinate System zone I)

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_II)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30162')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_II)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30162')
```

Replaced by JGD2000 / Japan Plane Rectangular CS II (code 2444) from April 2002.

Tokyo / Japan Plane Rectangular CS III

Extent: Japan - onshore - Honshu west of approximately 133°15'E - Yamaguchi-ken; Shimane-ken; Hiroshima-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_III)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30163')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_III)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30163')
```

Replaced by JGD2000 / Japan Plane Rectangular CS III (code 2445) from April 2002.

Tokyo / Japan Plane Rectangular CS IV

Extent: Japan - onshore - Shikoku - Kagawa-ken; Ehime-ken; Tokushima-ken; Kochi-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30164')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30164')
```

Replaced by JGD2000 / Japan Plane Rectangular CS IV (code 2446) from April 2002.

Tokyo / Japan Plane Rectangular CS IX

Extent: Japan - onshore - Honshu - Tokyo-to. (Excludes offshore island areas of Tokyo-to covered by Japan Plane Rectangular Coordinate System zones XIV, XVIII and XIX)

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30169')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30169')
```

Replaced by JGD2000 / Japan Plane Rectangular CS IX (code 2451) from April 2002.

Tokyo / Japan Plane Rectangular CS V

Extent: Japan - onshore - Honshu between approximately 133°15'E and 135°10'E - Hyogo-ken; Tottori-ken; Okayama-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_V)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30165')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_V)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30165')
```

Replaced by JGD2000 / Japan Plane Rectangular CS V (code 2447) from April 2002.

Tokyo / Japan Plane Rectangular CS VI

Extent: Japan - onshore - Honshu between approximately 135°10'E and 136°45'E - Kyoto-fu; Osaka-fu; Fukui-ken; Shiga-ken; Mie-ken; Nara-ken; Wakayama-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30166')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30166')
```

Replaced by JGD2000 / Japan Plane Rectangular CS VI (code 2448) from April 2002.

Tokyo / Japan Plane Rectangular CS VII

Extent: Japan - onshore - Honshu between approximately 136°15'E and 137°45'E - Ishikawa-ken; Toyama-ken; Gifu-ken; Aichi-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30167')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30167')
```

Replaced by JGD2000 / Japan Plane Rectangular CS VII (code 2449) from April 2002.

Tokyo / Japan Plane Rectangular CS VIII

Extent: Japan - onshore - Honshu between approximately 137°45'E and 139°E - Niigata-ken; Nagano-ken; Yamanashi-ken; Shizuoka-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30168')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_
↪VIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30168')
```

Replaced by JGD2000 / Japan Plane Rectangular CS VIII (code 2450) from April 2002.

Tokyo / Japan Plane Rectangular CS X

Extent: Japan - onshore - Honshu north of 38°N approximately - Aomori-ken; Akita-ken; Yamagata-ken; Iwate-ken; Miyagi-ken

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_X)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30170')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_X)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30170')
```

Replaced by JGD2000 / Japan Plane Rectangular CS X (code 2452) from April 2002.

Tokyo / Japan Plane Rectangular CS XI

Extent: Japan - onshore - Hokkaido west of approximately 141°E - Otaru city; Hakodate city; Date city; Usu-gun and Abuta-gun of Iburi-shicho; Hiyama-shicho; Shiribeshi-shicho; Oshima-shicho

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30171')
```

Replaced by JGD2000 / Japan Plane Rectangular CS XI (code 2453) from April 2002.

Tokyo / Japan Plane Rectangular CS XII

Extent: Japan - onshore - Hokkaido between approximately 141°E and 143°E - Sapporo city; Asahikawa city; Wakkanai city; Rumoi city; Bibai city; Yubari city; Iwamizawa city; Tomakomai city; Muroran city; Shibetsu city; Nayoro city; Ashibetsu city; Akabira city; Mikasa city; Takikawa city; Sunagawa city; Ebetsu city; Chitose city; Utashinai city; Fukagawa city; Monbetsu city; Furano city; Noboribetsu city; Eniwa city; Ishikari-shicho; Monbetsu-gun of Abashiri-shicho; Kamikawa-shicho; Soya-shicho; Hidaka-shicho; Iburi-shicho (except Usu-gun and Abuta-gun); Sorachi-shicho; Rumoi-shicho

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30172')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30172')
```

Replaced by JGD2000 / Japan Plane Rectangular CS XII (code 2454) from April 2002.

Tokyo / Japan Plane Rectangular CS XIII

Extent: Japan - onshore - Hokkaido east of approximately 143°E - Kitami city; Obihiro city; Kushiro city; Abashiri city; Nemuro city; Nemuro-shicho; Kushiro-shicho; Abashiri-shicho (except Monbetsu-gun); Tokachi-shicho

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30173')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_
↪XIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30173')
```

Replaced by JGD2000 / Japan Plane Rectangular CS XIII (code 2455) from April 2002.

Tokyo / Japan Plane Rectangular CS XIV

Extent: Japan - onshore - Tokyo-to south of 28°N and between 140°30'E and 143°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30174')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30174')
```

Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XIV (code 2456) from April 2002.

Tokyo / Japan Plane Rectangular CS XIX

Extent: Japan - onshore - Tokyo-to south of 28°N and east of 143°E - Minamitori-shima (Marcus Island)

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIX)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30179')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIX)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30179')
```

Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XIX (code 2461) from April 2002.

Tokyo / Japan Plane Rectangular CS XV

Extent: Japan - onshore - Okinawa-ken between 126°E and 130°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30175')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30175')
```

Replaced by JGD2000 / Japan Plane Rectangular CS XV (code 2457) from April 2002.

Tokyo / Japan Plane Rectangular CS XVI

Extent: Japan - onshore - Okinawa-ken west of 126°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30176')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30176')
```

Replaced by JGD2000 / Japan Plane Rectangular CS XVI (code 2458) from April 2002.

Tokyo / Japan Plane Rectangular CS XVII

Extent: Japan - onshore Okinawa-ken east of 130°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30177')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_
↪XVII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30177')
```

Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XVII (code 2459) from April 2002.

Tokyo / Japan Plane Rectangular CS XVIII

Extent: Japan - onshore - Tokyo-to south of 28°N and west of 140°30'E

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVIII)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30178')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_
↪XVIII)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30178')
```

Although legally defined as Tokyo datum the accuracy of the geodetic connection to mainland Japan is low. Replaced by JGD2000 / Japan Plane Rectangular CS XVIII (code 2460) from April 2002.

Tokyo / UTM zone 51N

Extent: Japan - onshore west of 126°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3092')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3092')
```

Replaced by JGD2000 / UTM zone 51N (code 3097).

Tokyo / UTM zone 52N

Extent: Japan - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3093')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3093')
```

Replaced by JGD2000 / UTM zone 52N (code 3098).

Tokyo / UTM zone 53N

Extent: Japan - onshore between 132°E and 138°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_53N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3094')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_53N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3094')
```

Replaced by JGD2000 / UTM zone 53N (code 3099).

Tokyo / UTM zone 54N

Extent: Japan - onshore between 138°E and 144°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3095')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3095')
```

Replaced by JGD2000 / UTM zone 54N (code 3100).

Tokyo / UTM zone 55N

Extent: Japan - onshore east of 144°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3096')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3096')
```

Replaced by JGD2000 / UTM zone 55N (code 3101).

Tokyo 1892 / Korea Central Belt

Extent: Democratic People's Republic of Korea (North Korea) and Republic of Korea (South Korea) - onshore between 126°E and 128°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_CENTRAL_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5170')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_CENTRAL_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5170')
```

Sometimes incorrectly assumed to be Tokyo 1918 / Korea Central Belt, a system that was never put into use. In South Korea, replaced by Korean 1985 / Central Belt and Korean 1985 / Central Belt Jeju (CRS codes 2097 and 5168).

Tokyo 1892 / Korea East Belt

Extent: Democratic People's Republic of Korea (North Korea) and Republic of Korea (South Korea) - onshore between 128°E and 130°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5171')
```

Sometimes incorrectly assumed to be Tokyo 1918 / Korea East Belt, a system that was never put into use. In South Korea, replaced by Korean 1985 / East Belt (CRS code 2096).

Tokyo 1892 / Korea East Sea Belt

Extent: Democratic People's Republic of Korea (North Korea) and Republic of Korea (South Korea) - onshore east of 130°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_SEA_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5172')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_SEA_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5172')
```

Sometimes incorrectly assumed to be Tokyo 1918 / Korea East Sea Belt, a system that was never put into use. In South Korea, replaced by Korean 1985 / East Sea Belt (CRS code 5167).

Tokyo 1892 / Korea West Belt

Extent: Democratic People's Republic of Korea (North Korea) and Republic of Korea (South Korea) - onshore west of 126°E

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_WEST_BELT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5169')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_WEST_BELT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5169')
```

Sometimes incorrectly assumed to be Tokyo 1918 / Korea West Belt, a system that was never put into use. In South Korea, replaced by Korean 1985 / West Belt (CRS code 2098).

Trinidad 1903 / Trinidad Grid

Extent: Trinidad and Tobago - Trinidad - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30200')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30200')
```

Trinidad 1903 / Trinidad Grid (ftCla)

Extent: Trinidad and Tobago - Trinidad - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID_FTCLA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID_FTCLA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2314')
```

Foot version of Trinidad 1903 / Trinidad Grid (code 30200) used by some US-based companies including Amoco Trinidad.

UCS-2000 / Gauss-Kruger CM 21E

Extent: Ukraine - west of 24°E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_21E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5566')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_21E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5566')
```

Truncated form of UCS-2000 / Gauss-Kruger zone 4 (CRS code 5562).

UCS-2000 / Gauss-Kruger CM 27E

Extent: Ukraine - between 24°E and 30°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_27E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5567')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_27E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5567')
```

Truncated form of UCS-2000 / Gauss-Kruger zone 5 (CRS code 5563).

UCS-2000 / Gauss-Kruger CM 33E

Extent: Ukraine - between 30°E and 36°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_33E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5568')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_33E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5568')
```

Truncated form of UCS-2000 / Gauss-Kruger zone 6 (CRS code 5564).

UCS-2000 / Gauss-Kruger CM 39E

Extent: Ukraine - east of 36°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_39E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5569')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_39E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5569')
```

Truncated form of UCS-2000 / Gauss-Kruger zone 7 (CRS code 5565).

UCS-2000 / Gauss-Kruger zone 4

Extent: Ukraine - west of 24°E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5562')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5562')
```

Adopted 1st January 2007, replacing S-42 system. Also found with truncated false easting - see UCS-2000 / Gauss-Kruger CM 21E (CRS code 5566).

UCS-2000 / Gauss-Kruger zone 5

Extent: Ukraine - between 24°E and 30°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5563')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5563')
```

Adopted 1st January 2007, replacing S-42 system. Also found with truncated false easting - see UCS-2000 / Gauss-Kruger CM 27E (CRS code 5567).

UCS-2000 / Gauss-Kruger zone 6

Extent: Ukraine - between 30°E and 36°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_6)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5564')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_6)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5564')
```

Adopted 1st January 2007, replacing S-42 system. Also found with truncated false easting - see UCS-2000 / Gauss-Kruger CM 33E (CRS code 5568).

UCS-2000 / Gauss-Kruger zone 7

Extent: Ukraine - east of 36°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5565')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5565')
```

Adopted 1st January 2007, replacing S-42 system. Also found with truncated false easting - see UCS-2000 / Gauss-Kruger CM 39E (code CRS 5569).

UCS-2000 / LCS-01 Crimea

Extent: Ukraine - Crimea autonomous region

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_01_CRIMEA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9831')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_01_CRIMEA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9831')
```

UCS-2000 / LCS-05 Vinnytsia

Extent: Ukraine - Vinnytsia region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_05_VINNYTSIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9832')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_05_VINNYTSIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9832')
```

UCS-2000 / LCS-07 Volyn

Extent: Ukraine - Volyn region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_07_VOLYN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9833')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_07_VOLYN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9833')
```

UCS-2000 / LCS-12 Dnipropetrovsk

Extent: Ukraine - Dnipropetrovsk region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_12_DNIPROPETROVSK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9834')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_12_DNIPROPETROVSK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9834')
```

UCS-2000 / LCS-14 Donetsk

Extent: Ukraine - Donetsk region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_14_DONETSK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9835')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_14_DONETSK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9835')
```

UCS-2000 / LCS-18 Zhytomyr

Extent: Ukraine - Zhytomyr region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_18_ZHYTOMYR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_18_ZHYTOMYR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9836')
```

UCS-2000 / LCS-21 Zakarpattia

Extent: Ukraine - Zakarpattia (Zakarpatska) region (Transcarpathia oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_21_ZAKARPATTIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_21_ZAKARPATTIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9837')
```

UCS-2000 / LCS-23 Zaporizhzhia

Extent: Ukraine - Zaporizhzhia region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_23_ZAPORIZHZHIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9838')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_23_ZAPORIZHZHIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9838')
```

UCS-2000 / LCS-26 Ivano-Frankivsk

Extent: Ukraine - Ivano-Frankivsk region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_26_IVANO_FRANKIVSK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9839')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_26_IVANO_FRANKIVSK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9839')
```

UCS-2000 / LCS-32 Kyiv region

Extent: Ukraine - Kyiv (Kiev) region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_32_KYIV_REGION)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9821')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_32_KYIV_REGION)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9821')
```

Order #74 defines separate LCSs for Kyiv city and Kyiv oblast; they have different extents but the same map projection. For Kyiv city see CRS code 9864.

UCS-2000 / LCS-35 Kirovohrad

Extent: Ukraine - Kirovohrad region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_35_KIROVOHRAD)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9840')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_35_KIROVOHRAD)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9840')
```

UCS-2000 / LCS-44 Luhansk

Extent: Ukraine - Luhansk region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_44_LUHANSK)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9841')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_44_LUHANSK)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9841')
```

UCS-2000 / LCS-46 Lviv

Extent: Ukraine - Lviv region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_46_LVIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9851')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_46_LVIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9851')
```

UCS-2000 / LCS-48 Mykolaiv

Extent: Ukraine - Mykolaiv region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_48_MYKOLAIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9852')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_48_MYKOLAIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9852')
```

UCS-2000 / LCS-51 Odessa

Extent: Ukraine - Odessa region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_51_ODESSA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9853')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_51_ODESSA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9853')
```

UCS-2000 / LCS-53 Poltava

Extent: Ukraine - Poltava region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_53_POLTAVA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9854')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_53_POLTAVA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9854')
```

UCS-2000 / LCS-56 Rivne

Extent: Ukraine - Rivne region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_56_RIVNE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9855')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_56_RIVNE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9855')
```

Order #74 defines seperate LCSs for Rivne and Khmelnytsky oblasts; they have different extents but the same map projection. For Khmelnytsky oblast see CRS code 9855.

UCS-2000 / LCS-59 Sumy

Extent: Ukraine - Sumy region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_59_SUMY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9856')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_59_SUMY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9856')
```

UCS-2000 / LCS-61 Ternopil

Extent: Ukraine - Ternopil region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_61_TERNOPIL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_61_TERNOPIL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9857')
```

UCS-2000 / LCS-63 Kharkiv

Extent: Ukraine - Kharkiv region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_63_KHARKIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_63_KHARKIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9858')
```

UCS-2000 / LCS-65 Kherson

Extent: Ukraine - Kherson region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_65_KHERSON)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9859')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_65_KHERSON)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9859')
```

UCS-2000 / LCS-68 Khmelnytsky

Extent: Ukraine - Khmelnytskyi region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_68_KHMELNYTSKY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9860')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_68_KHMELNYTSKY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9860')
```

Order #74 defines seperate LCSs for Khmelnytsky and Rivne oblasts; they have different extents but the same map projection. For Rivne oblast see CRS code 9855.

UCS-2000 / LCS-71 Cherkasy

Extent: Ukraine - Cherkasy region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_71_CHERKASY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9861')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_71_CHERKASY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9861')
```

UCS-2000 / LCS-73 Chernivtsi

Extent: Ukraine - Chernivtsi region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_73_CHERNIVTSI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9862')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_73_CHERNIVTSI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9862')
```

UCS-2000 / LCS-74 Chernihiv

Extent: Ukraine - Chernihiv region (oblast)

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_74_CHERNIHIV)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9863')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_74_CHERNIHIV)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9863')
```

UCS-2000 / LCS-80 Kyiv city

Extent: Ukraine - Kyiv (Kiev) city

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_80_KYIV_CITY)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9864')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_80_KYIV_CITY)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9864')
```

Order #74 defines separate LCSs for Kyiv city and Kyiv oblast; they have different extents but the same map projection. For Kyiv region see CRS code 9821.

UCS-2000 / LCS-85 Sevastopol

Extent: Ukraine - Sevastopol (Sebastopol) city

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_85_SEVASTOPOL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9865')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_LCS_85_SEVASTOPOL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9865')
```

UCS-2000 / Ukraine TM zone 10

Extent: Ukraine - between 28°30'E and 31°30'E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6384')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6384')
```

UCS-2000 / Ukraine TM zone 11

Extent: Ukraine - between 31°30'E and 34°30'E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_11)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6385')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_11)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6385')
```

UCS-2000 / Ukraine TM zone 12

Extent: Ukraine - between 34°30'E and 37°30'E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6386')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6386')
```

UCS-2000 / Ukraine TM zone 13

Extent: Ukraine - east of 37°30'E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6387')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6387')
```

UCS-2000 / Ukraine TM zone 7

Extent: Ukraine - west of 22°30'E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_7)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6381')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_7)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6381')
```

UCS-2000 / Ukraine TM zone 8

Extent: Ukraine - between 22°30'E and 25°30'E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_8)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6382')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_8)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6382')
```

UCS-2000 / Ukraine TM zone 9

Extent: Ukraine - between 25°30'E and 28°30'E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_9)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_9)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6383')
```

VN-2000 / TM-3 103-00

Extent: Vietnam - Dien Bien and Lai Chau provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_103_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9205')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_103_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9205')
```

VN-2000 / TM-3 104-00

Extent: Vietnam - Son La province

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_104_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9206')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_104_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9206')
```

VN-2000 / TM-3 104-30

Extent: Vietnam - Ca Mau and Kien Giang provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_104_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_104_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9207')
```

VN-2000 / TM-3 104-45

Extent: Vietnam - An Giang, Lao Cai, Nghe An, Phu Tho and Yen Bai provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_104_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_104_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9208')
```

VN-2000 / TM-3 105-30

Extent: Vietnam - Bac Ninh, Ha Giang, Ha Tinh, Hai Duong, Hung Yen, Nam Dinh, Soc Trang, Tay Ninh, Thai Binh, Tra Vinh and Vinh Long provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_105_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_105_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9209')
```

VN-2000 / TM-3 105-45

Extent: Vietnam - Hai Phong and Ho Chi Minh cities; Ben Tre, Binh Duong, Cao Bang, Long An and Tien Giang provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_105_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_105_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9210')
```

VN-2000 / TM-3 106-00

Extent: Vietnam - Hoa Binh, Quang Binh and Tuyen Quang provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_106_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9211')
```

VN-2000 / TM-3 106-15

Extent: Vietnam - Binh Phuoc and Quang Tri provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_106_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9212')
```

VN-2000 / TM-3 106-30

Extent: Vietnam - Bac Kan and Thai Nguyen provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_106_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9213')
```

VN-2000 / TM-3 107-00

Extent: Vietnam - Bac Giang and Thua Thien-Hue provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_00)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_107_00)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9214')
```

VN-2000 / TM-3 107-15

Extent: Vietnam - Lang Son province

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_107_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9215')
```

VN-2000 / TM-3 107-30

Extent: Vietnam - Kon Tum province

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_107_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9216')
```

VN-2000 / TM-3 107-45

Extent: Vietnam - Quang Ninh province; Da Nang municipality and Quang Nam province; Ba Ria-Vung Tau, Dong Nai and Lam Dong provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5899')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_107_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5899')
```

VN-2000 / TM-3 108-15

Extent: Vietnam - Binh Dinh, Khanh Hoa and Ninh Thuan provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_108_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_108_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9217')
```

VN-2000 / TM-3 108-30

Extent: Vietnam - Binh Thuan, Dak Lak, Dak Nong, Gia Lai and Phu Yen provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_108_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_108_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9218')
```

VN-2000 / TM-3 zone 481

Extent: Vietnam - onshore west of 103°30'E

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_481)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5896')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_481)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5896')
```

VN-2000 / TM-3 zone 482

Extent: Vietnam - between 103°30'E and 106°30'E, onshore, Vietnam - Ha Noi city, Ha Nam, Ha Tay, Ninh Binh, Thanh Hoa and Vinh Phuc provinces; Can Tho city, Bac Lieu, Dong Thap and Hau Giang provinces

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_482)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5897')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_482)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5897')
```

VN-2000 / TM-3 zone 491

Extent: Vietnam - onshore east of 106°30'E, Vietnam - Quang Ngai province

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_491)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5898')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_491)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5898')
```

VN-2000 / UTM zone 48N

Extent: Vietnam - onshore west of 108°E

```
Projected::fromSRID(Projected::EPSG_VN_2000_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3405')
```

Replaces Hanoi 1972 / Gauss-Kruger zone 18 (CRS code 2044).

VN-2000 / UTM zone 49N

Extent: Vietnam - onshore east of 108°E

```
Projected::fromSRID(Projected::EPSG_VN_2000_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VN_2000_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3406')
```

Replaces Hanoi 1972 / Gauss-Kruger zone 19 (CRS code 2045).

Vanua Levu 1915 / Vanua Levu Grid

Extent: Fiji - Vanua Levu and Taveuni

```
Projected::fromSRID(Projected::EPSG_VANUA_LEVU_1915_VANUA_LEVU_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3139')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VANUA_LEVU_1915_VANUA_LEVU_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3139')
```

For topographic mapping, replaced by Fiji 1956 / UTM (CRS codes 3141-42). For other purposes, replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Viti Levu 1912 / Viti Levu Grid

Extent: Fiji - Viti Levu island

```
Projected::fromSRID(Projected::EPSG_VITI_LEVU_1912_VITI_LEVU_GRID)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3140')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VITI_LEVU_1912_VITI_LEVU_GRID)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3140')
```

For topographic mapping, replaced by Fiji 1956 / UTM (CRS codes 3141-42). For other purposes, replaced by Fiji 1986 / Fiji Map Grid (CRS code 3460).

Voirol 1875 / Nord Algerie (ancienne)

Extent: Algeria - onshore north of 38.5 grads North (34°39'N)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1875_NORD_ALGERIE_ANCIENNE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30491')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VOIROL_1875_NORD_ALGERIE_ANCIENNE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30491')
```

Replaced by Nord Sahara 1959 / Voirol Unifie Nord (code 30791). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Voirol 1875 / Sud Algerie (ancienne)

Extent: Algeria - 35.6 grads to 38.5 grads North (32°N to 34°39'N)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1875_SUD_ALGERIE_ANCIENNE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30492')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VOIROL_1875_SUD_ALGERIE_ANCIENNE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30492')
```

Replaced by Nord Sahara 1959 / Voirol Unifie Sud (code 30792). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Voirol 1879 / Nord Algerie (ancienne)

Extent: Algeria - onshore north of 38.5 grads North (34°39'N)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1879_NORD_ALGERIE_ANCIENNE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30493')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VOIROL_1879_NORD_ALGERIE_ANCIENNE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30493')
```

Replaced by Nord Sahara 1959 / Voirol Unifie Nord (code 30791). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

Voirol 1879 / Sud Algerie (ancienne)

Extent: Algeria - 35.6 grads to 38.5 grads North (32°N to 34°39'N)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1879_SUD_ALGERIE_ANCIENNE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::30494')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_VOIROL_1879_SUD_ALGERIE_ANCIENNE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::30494')
```

Replaced by Nord Sahara 1959 / Voirol Unifie Sud (code 30792). The appropriate usage of CRSs using the Voirol 1875 and 1879 datums is lost in antiquity. They differ by about 9 metres. Oil industry references to one could in reality be to either.

WGS 72 / UTM zone 10N

Extent: Between 126°W and 120°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32210')
```

WGS 72 / UTM zone 10S

Extent: Between 126°W and 120°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32310')
```

WGS 72 / UTM zone 11N

Extent: Between 120°W and 114°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32211')
```

WGS 72 / UTM zone 11S

Extent: Between 120°W and 114°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32311')
```

WGS 72 / UTM zone 12N

Extent: Between 114°W and 108°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32212')
```

WGS 72 / UTM zone 12S

Extent: Between 114°W and 108°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32312')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32312')
```

WGS 72 / UTM zone 13N

Extent: Between 108°W and 102°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32213')
```

WGS 72 / UTM zone 13S

Extent: Between 108°W and 102°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32313')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32313')
```

WGS 72 / UTM zone 14N

Extent: Between 102°W and 96°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32214')
```

WGS 72 / UTM zone 14S

Extent: Between 102°W and 96°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32314')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32314')
```

WGS 72 / UTM zone 15N

Extent: Between 96°W and 90°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32215')
```

WGS 72 / UTM zone 15S

Extent: Between 96°W and 90°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32315')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32315')
```

WGS 72 / UTM zone 16N

Extent: Between 90°W and 84°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32216')
```

WGS 72 / UTM zone 16S

Extent: Between 90°W and 84°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32316')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32316')
```

WGS 72 / UTM zone 17N

Extent: Between 84°W and 78°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32217')
```

WGS 72 / UTM zone 17S

Extent: Between 84°W and 78°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32317')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32317')
```

WGS 72 / UTM zone 18N

Extent: Between 78°W and 72°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32218')
```

WGS 72 / UTM zone 18S

Extent: Between 78°W and 72°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32318')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32318')
```

WGS 72 / UTM zone 19N

Extent: Between 72°W and 66°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32219')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32219')
```

WGS 72 / UTM zone 19S

Extent: Between 72°W and 66°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32319')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32319')
```

WGS 72 / UTM zone 1N

Extent: Between 180°W and 174°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32201')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32201')
```

WGS 72 / UTM zone 1S

Extent: Between 180°W to 174°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32301')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32301')
```

WGS 72 / UTM zone 20N

Extent: Between 66°W and 60°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32220')
```

WGS 72 / UTM zone 20S

Extent: Between 66°W and 60°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32320')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32320')
```

WGS 72 / UTM zone 21N

Extent: Between 60°W and 54°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32221')
```

WGS 72 / UTM zone 21S

Extent: Between 60°W and 54°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32321')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32321')
```

WGS 72 / UTM zone 22N

Extent: Between 54°W and 48°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32222')
```

WGS 72 / UTM zone 22S

Extent: Between 54°W and 48°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32322')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32322')
```

WGS 72 / UTM zone 23N

Extent: Between 48°W and 42°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32223')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32223')
```

WGS 72 / UTM zone 23S

Extent: Between 48°W and 42°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32323')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32323')
```

WGS 72 / UTM zone 24N

Extent: Between 42°W and 36°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32224')
```

WGS 72 / UTM zone 24S

Extent: Between 42°W and 36°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32324')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32324')
```

WGS 72 / UTM zone 25N

Extent: Between 36°W and 30°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32225')
```

WGS 72 / UTM zone 25S

Extent: Between 36°W and 30°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32325')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32325')
```

WGS 72 / UTM zone 26N

Extent: Between 30°W and 24°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32226')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32226')
```

WGS 72 / UTM zone 26S

Extent: Between 30°W and 24°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32326')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32326')
```

WGS 72 / UTM zone 27N

Extent: Between 24°W and 18°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32227')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32227')
```

WGS 72 / UTM zone 27S

Extent: Between 24°W and 18°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32327')
```

WGS 72 / UTM zone 28N

Extent: Between 18°W and 12°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32228')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32228')
```

WGS 72 / UTM zone 28S

Extent: Between 18°W and 12°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32328')
```

WGS 72 / UTM zone 29N

Extent: Between 12°W and 6°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32229')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32229')
```

WGS 72 / UTM zone 29S

Extent: Between 12°W and 6°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32329')
```

WGS 72 / UTM zone 2N

Extent: Between 174°W and 168°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32202')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32202')
```

WGS 72 / UTM zone 2S

Extent: Between 174°W and 168°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32302')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32302')
```

WGS 72 / UTM zone 30N

Extent: Between 6°W and 0°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32230')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32230')
```

WGS 72 / UTM zone 30S

Extent: Between 6°W and 0°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32330')
```

WGS 72 / UTM zone 31N

Extent: Between 0°E and 6°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32231')
```

WGS 72 / UTM zone 31S

Extent: Between 0°E and 6°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32331')
```

WGS 72 / UTM zone 32N

Extent: Between 6°E and 12°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32232')
```

WGS 72 / UTM zone 32S

Extent: Between 6°E and 12°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32332')
```

WGS 72 / UTM zone 33N

Extent: Between 12°E and 18°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32233')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32233')
```

WGS 72 / UTM zone 33S

Extent: Between 12°E and 18°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32333')
```

WGS 72 / UTM zone 34N

Extent: Between 18°E and 24°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32234')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32234')
```

WGS 72 / UTM zone 34S

Extent: Between 18°E and 24°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32334')
```

WGS 72 / UTM zone 35N

Extent: Between 24°E and 30°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32235')
```

WGS 72 / UTM zone 35S

Extent: Between 24°E and 30°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32335')
```

WGS 72 / UTM zone 36N

Extent: Between 30°E and 36°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32236')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32236')
```

WGS 72 / UTM zone 36S

Extent: Between 30°E and 36°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32336')
```

WGS 72 / UTM zone 37N

Extent: Between 36°E and 42°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32237')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32237')
```

WGS 72 / UTM zone 37S

Extent: Between 36°E and 42°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32337')
```

WGS 72 / UTM zone 38N

Extent: Between 42°E and 48°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32238')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32238')
```

WGS 72 / UTM zone 38S

Extent: Between 42°E and 48°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32338')
```

WGS 72 / UTM zone 39N

Extent: Between 48°E and 54°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32239')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32239')
```

WGS 72 / UTM zone 39S

Extent: Between 48°E and 54°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32339')
```

WGS 72 / UTM zone 3N

Extent: Between 168°W and 162°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32203')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32203')
```

WGS 72 / UTM zone 3S

Extent: Between 168°W and 162°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32303')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32303')
```

WGS 72 / UTM zone 40N

Extent: Between 54°E and 60°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32240')
```

WGS 72 / UTM zone 40S

Extent: Between 54°E and 60°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32340')
```

WGS 72 / UTM zone 41N

Extent: Between 60°E and 66°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32241')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32241')
```

WGS 72 / UTM zone 41S

Extent: Between 60°E and 66°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32341')
```

WGS 72 / UTM zone 42N

Extent: Between 66°E and 72°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32242')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32242')
```

WGS 72 / UTM zone 42S

Extent: Between 66°E and 72°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32342')
```

WGS 72 / UTM zone 43N

Extent: Between 72°E and 78°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32243')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32243')
```

WGS 72 / UTM zone 43S

Extent: Between 72°E and 78°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32343')
```

WGS 72 / UTM zone 44N

Extent: Between 78°E and 84°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32244')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32244')
```

WGS 72 / UTM zone 44S

Extent: Between 78°E and 84°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32344')
```

WGS 72 / UTM zone 45N

Extent: Between 84°E and 90°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32245')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32245')
```

WGS 72 / UTM zone 45S

Extent: Between 84°E and 90°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32345')
```

WGS 72 / UTM zone 46N

Extent: Between 90°E and 96°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32246')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32246')
```

WGS 72 / UTM zone 46S

Extent: Between 90°E and 96°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32346')
```

WGS 72 / UTM zone 47N

Extent: Between 96°E and 102°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32247')
```

WGS 72 / UTM zone 47S

Extent: Between 96°E and 102°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32347')
```

WGS 72 / UTM zone 48N

Extent: Between 102°E and 108°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32248')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32248')
```

WGS 72 / UTM zone 48S

Extent: Between 102°E and 108°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32348')
```

WGS 72 / UTM zone 49N

Extent: Between 108°E and 114°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32249')
```

WGS 72 / UTM zone 49S

Extent: Between 108°E and 114°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32349')
```

WGS 72 / UTM zone 4N

Extent: Between 162°W and 156°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32204')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32204')
```

WGS 72 / UTM zone 4S

Extent: Between 162°W and 156°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32304')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32304')
```

WGS 72 / UTM zone 50N

Extent: Between 114°E and 120°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32250')
```

WGS 72 / UTM zone 50S

Extent: Between 114°E and 120°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32350')
```

WGS 72 / UTM zone 51N

Extent: Between 120°E and 126°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32251')
```

WGS 72 / UTM zone 51S

Extent: Between 120°E and 126°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32351')
```

WGS 72 / UTM zone 52N

Extent: Between 126°E and 132°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32252')
```

WGS 72 / UTM zone 52S

Extent: Between 126°E and 132°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32352')
```

WGS 72 / UTM zone 53N

Extent: Between 132°E and 138°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32253')
```

WGS 72 / UTM zone 53S

Extent: Between 132°E and 138°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32353')
```

WGS 72 / UTM zone 54N

Extent: Between 138°E and 144°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32254')
```

WGS 72 / UTM zone 54S

Extent: Between 138°E and 144°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32354')
```

WGS 72 / UTM zone 55N

Extent: Between 144°E and 150°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32255')
```

WGS 72 / UTM zone 55S

Extent: Between 144°E and 150°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32355')
```

WGS 72 / UTM zone 56N

Extent: Between 150°E and 156°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32256')
```

WGS 72 / UTM zone 56S

Extent: Between 150°E and 156°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32356')
```

WGS 72 / UTM zone 57N

Extent: Between 156°E and 162°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32257')
```

WGS 72 / UTM zone 57S

Extent: Between 156°E and 162°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32357')
```

WGS 72 / UTM zone 58N

Extent: Between 162°E and 168°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32258')
```

WGS 72 / UTM zone 58S

Extent: Between 162°E and 168°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32358')
```

WGS 72 / UTM zone 59N

Extent: Between 168°E and 174°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32259')
```

WGS 72 / UTM zone 59S

Extent: Between 168°E and 174°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32359')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32359')
```

WGS 72 / UTM zone 5N

Extent: Between 156°W and 150°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32205')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32205')
```

WGS 72 / UTM zone 5S

Extent: Between 156°W and 150°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32305')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32305')
```

WGS 72 / UTM zone 60N

Extent: Between 174°E and 180°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32260')
```

WGS 72 / UTM zone 60S

Extent: Between 174°E and 180°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32360')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32360')
```

WGS 72 / UTM zone 6N

Extent: Between 150°W and 144°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32206')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32206')
```

WGS 72 / UTM zone 6S

Extent: Between 150°W and 144°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32306')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32306')
```

WGS 72 / UTM zone 7N

Extent: Between 144°W and 138°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32207')
```

WGS 72 / UTM zone 7S

Extent: Between 144°W and 138°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32307')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32307')
```

WGS 72 / UTM zone 8N

Extent: Between 138°W and 132°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32208')
```

WGS 72 / UTM zone 8S

Extent: Between 138°W and 132°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32308')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32308')
```

WGS 72 / UTM zone 9N

Extent: Between 132°W and 126°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32209')
```

WGS 72 / UTM zone 9S

Extent: Between 132°W and 126°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32309')
```

WGS 72BE / South China Sea Lambert

Extent: China - offshore South China Sea - Pearl River basin

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_SOUTH_CHINA_SEA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_SOUTH_CHINA_SEA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3415')
```

Adopted during the 1980s by western operators of all SCS licence areas. See map projection remarks for ambiguity in definition.

WGS 72BE / TM 106 NE

Extent: Vietnam - offshore - Cuu Long basin and northwestern part of Nam Con Son basin

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_TM_106_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2094')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_TM_106_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2094')
```

Oil exploration by Total for blocks 10 and 11-1.

WGS 72BE / UTM zone 10N

Extent: Between 126°W and 120°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32410')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32410')
```

WGS 72BE / UTM zone 10S

Extent: Between 126°W and 120°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_10S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32510')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_10S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32510')
```

WGS 72BE / UTM zone 11N

Extent: Between 120°W and 114°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32411')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32411')
```

WGS 72BE / UTM zone 11S

Extent: Between 120°W and 114°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_11S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32511')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_11S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32511')
```

WGS 72BE / UTM zone 12N

Extent: Between 114°W and 108°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32412')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32412')
```

WGS 72BE / UTM zone 12S

Extent: Between 114°W and 108°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_12S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32512')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_12S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32512')
```

WGS 72BE / UTM zone 13N

Extent: Between 108°W and 102°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32413')
```

WGS 72BE / UTM zone 13S

Extent: Between 108°W and 102°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_13S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32513')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_13S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32513')
```

WGS 72BE / UTM zone 14N

Extent: Between 102°W and 96°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32414')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32414')
```

WGS 72BE / UTM zone 14S

Extent: Between 102°W and 96°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_14S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32514')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_14S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32514')
```

WGS 72BE / UTM zone 15N

Extent: Between 96°W and 90°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32415')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32415')
```

WGS 72BE / UTM zone 15S

Extent: Between 96°W and 90°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_15S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32515')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_15S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32515')
```

WGS 72BE / UTM zone 16N

Extent: Between 90°W and 84°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32416')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32416')
```

WGS 72BE / UTM zone 16S

Extent: Between 90°W and 84°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_16S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32516')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_16S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32516')
```

WGS 72BE / UTM zone 17N

Extent: Between 84°W and 78°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32417')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32417')
```

WGS 72BE / UTM zone 17S

Extent: Between 84°W and 78°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32517')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32517')
```

WGS 72BE / UTM zone 18N

Extent: Between 78°W and 72°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32418')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32418')
```

WGS 72BE / UTM zone 18S

Extent: Between 78°W and 72°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32518')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32518')
```

WGS 72BE / UTM zone 19N

Extent: Between 72°W and 66°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32419')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32419')
```

WGS 72BE / UTM zone 19S

Extent: Between 72°W and 66°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32519')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32519')
```

WGS 72BE / UTM zone 1N

Extent: Between 180°W and 174°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32401')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32401')
```

WGS 72BE / UTM zone 1S

Extent: Between 180°W to 174°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32501')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32501')
```

WGS 72BE / UTM zone 20N

Extent: Between 66°W and 60°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32420')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32420')
```

WGS 72BE / UTM zone 20S

Extent: Between 66°W and 60°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32520')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32520')
```

WGS 72BE / UTM zone 21N

Extent: Between 60°W and 54°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32421')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32421')
```

WGS 72BE / UTM zone 21S

Extent: Between 60°W and 54°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32521')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32521')
```

WGS 72BE / UTM zone 22N

Extent: Between 54°W and 48°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32422')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32422')
```

WGS 72BE / UTM zone 22S

Extent: Between 54°W and 48°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32522')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32522')
```

WGS 72BE / UTM zone 23N

Extent: Between 48°W and 42°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32423')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32423')
```

WGS 72BE / UTM zone 23S

Extent: Between 48°W and 42°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32523')
```

WGS 72BE / UTM zone 24N

Extent: Between 42°W and 36°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32424')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32424')
```

WGS 72BE / UTM zone 24S

Extent: Between 42°W and 36°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32524')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32524')
```

WGS 72BE / UTM zone 25N

Extent: Between 36°W and 30°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_25N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32425')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_25N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32425')
```

WGS 72BE / UTM zone 25S

Extent: Between 36°W and 30°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32525')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32525')
```

WGS 72BE / UTM zone 26N

Extent: Between 30°W and 24°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32426')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32426')
```

WGS 72BE / UTM zone 26S

Extent: Between 30°W and 24°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_26S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32526')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_26S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32526')
```

WGS 72BE / UTM zone 27N

Extent: Between 24°W and 18°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32427')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32427')
```

WGS 72BE / UTM zone 27S

Extent: Between 24°W and 18°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_27S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32527')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_27S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32527')
```

WGS 72BE / UTM zone 28N

Extent: Between 18°W and 12°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32428')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32428')
```

WGS 72BE / UTM zone 28S

Extent: Between 18°W and 12°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_28S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32528')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_28S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32528')
```

WGS 72BE / UTM zone 29N

Extent: Between 12°W and 6°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32429')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32429')
```

WGS 72BE / UTM zone 29S

Extent: Between 12°W and 6°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_29S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32529')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_29S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32529')
```

WGS 72BE / UTM zone 2N

Extent: Between 174°W and 168°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32402')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32402')
```

WGS 72BE / UTM zone 2S

Extent: Between 174°W and 168°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_2S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32502')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_2S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32502')
```

WGS 72BE / UTM zone 30N

Extent: Between 6°W and 0°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32430')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32430')
```

WGS 72BE / UTM zone 30S

Extent: Between 6°W and 0°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32530')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32530')
```

WGS 72BE / UTM zone 31N

Extent: Between 0°E and 6°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32431')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32431')
```

WGS 72BE / UTM zone 31S

Extent: Between 0°E and 6°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32531')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32531')
```

WGS 72BE / UTM zone 32N

Extent: Between 6°E and 12°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32432')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32432')
```

WGS 72BE / UTM zone 32S

Extent: Between 6°E and 12°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32532')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32532')
```

WGS 72BE / UTM zone 33N

Extent: Between 12°E and 18°E, northern hemisphere between equator and 84°N, onshore and offshore. Chad - west of 18°E

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32433')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32433')
```

Used by ExxonMobil for exploration and production activities.

WGS 72BE / UTM zone 33S

Extent: Between 12°E and 18°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32533')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32533')
```

WGS 72BE / UTM zone 34N

Extent: Between 12°E and 18°E, northern hemisphere between equator and 84°N, onshore and offshore. Chad - east of 18°E

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32434')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32434')
```

Used by ExxonMobil for exploration and production activities.

WGS 72BE / UTM zone 34S

Extent: Between 18°E and 24°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32534')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32534')
```

WGS 72BE / UTM zone 35N

Extent: Between 24°E and 30°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32435')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32435')
```

WGS 72BE / UTM zone 35S

Extent: Between 24°E and 30°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32535')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32535')
```

WGS 72BE / UTM zone 36N

Extent: Between 30°E and 36°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32436')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32436')
```

WGS 72BE / UTM zone 36S

Extent: Between 30°E and 36°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32536')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32536')
```

WGS 72BE / UTM zone 37N

Extent: Between 36°E and 42°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32437')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32437')
```

WGS 72BE / UTM zone 37S

Extent: Between 36°E and 42°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32537')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32537')
```

WGS 72BE / UTM zone 38N

Extent: Between 42°E and 48°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32438')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32438')
```

WGS 72BE / UTM zone 38S

Extent: Between 42°E and 48°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32538')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32538')
```

WGS 72BE / UTM zone 39N

Extent: Between 48°E and 54°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32439')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32439')
```

WGS 72BE / UTM zone 39S

Extent: Between 48°E and 54°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_39S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32539')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_39S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32539')
```

WGS 72BE / UTM zone 3N

Extent: Between 168°W and 162°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32403')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32403')
```

WGS 72BE / UTM zone 3S

Extent: Between 168°W and 162°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_3S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32503')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_3S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32503')
```

WGS 72BE / UTM zone 40N

Extent: Between 54°E and 60°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32440')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32440')
```

WGS 72BE / UTM zone 40S

Extent: Between 54°E and 60°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_40S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32540')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_40S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32540')
```

WGS 72BE / UTM zone 41N

Extent: Between 60°E and 66°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32441')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32441')
```

WGS 72BE / UTM zone 41S

Extent: Between 60°E and 66°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_41S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32541')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_41S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32541')
```

WGS 72BE / UTM zone 42N

Extent: Between 66°E and 72°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_42N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32442')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_42N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32442')
```

WGS 72BE / UTM zone 42S

Extent: Between 66°E and 72°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_42S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32542')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_42S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32542')
```

WGS 72BE / UTM zone 43N

Extent: Between 72°E and 78°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_43N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32443')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_43N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32443')
```

WGS 72BE / UTM zone 43S

Extent: Between 72°E and 78°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_43S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32543')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_43S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32543')
```

WGS 72BE / UTM zone 44N

Extent: Between 78°E and 84°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_44N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32444')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_44N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32444')
```

WGS 72BE / UTM zone 44S

Extent: Between 78°E and 84°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_44S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32544')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_44S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32544')
```

WGS 72BE / UTM zone 45N

Extent: Between 84°E and 90°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_45N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32445')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_45N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32445')
```

WGS 72BE / UTM zone 45S

Extent: Between 84°E and 90°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_45S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32545')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_45S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32545')
```

WGS 72BE / UTM zone 46N

Extent: Between 90°E and 96°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32446')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32446')
```

WGS 72BE / UTM zone 46S

Extent: Between 90°E and 96°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_46S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32546')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_46S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32546')
```

WGS 72BE / UTM zone 47N

Extent: Between 96°E and 102°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32447')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32447')
```

WGS 72BE / UTM zone 47S

Extent: Between 96°E and 102°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_47S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32547')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_47S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32547')
```

WGS 72BE / UTM zone 48N

Extent: Between 102°E and 108°E, northern hemisphere between equator and 84°N, onshore and offshore. Vietnam - offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32448')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32448')
```

WGS 72BE / UTM zone 48S

Extent: Between 102°E and 108°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32548')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32548')
```

WGS 72BE / UTM zone 49N

Extent: Between 108°E and 114°E, northern hemisphere between equator and 84°N, onshore and offshore. Vietnam - offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32449')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32449')
```

WGS 72BE / UTM zone 49S

Extent: Between 108°E and 114°E, southern hemisphere between 80°S and equator, onshore and offshore. Indonesia - offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32549')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32549')
```

WGS 72BE / UTM zone 4N

Extent: Between 162°W and 156°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32404')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32404')
```

WGS 72BE / UTM zone 4S

Extent: Between 162°W and 156°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_4S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32504')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_4S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32504')
```

WGS 72BE / UTM zone 50N

Extent: Between 114°E and 120°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32450')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32450')
```

WGS 72BE / UTM zone 50S

Extent: Between 114°E and 120°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32550')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32550')
```

WGS 72BE / UTM zone 51N

Extent: Between 120°E and 126°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32451')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32451')
```

WGS 72BE / UTM zone 51S

Extent: Between 120°E and 126°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_51S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32551')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_51S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32551')
```

WGS 72BE / UTM zone 52N

Extent: Between 126°E and 132°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32452')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32452')
```

WGS 72BE / UTM zone 52S

Extent: Between 126°E and 132°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_52S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32552')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_52S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32552')
```

WGS 72BE / UTM zone 53N

Extent: Between 132°E and 138°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_53N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32453')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_53N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32453')
```

WGS 72BE / UTM zone 53S

Extent: Between 132°E and 138°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32553')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32553')
```

WGS 72BE / UTM zone 54N

Extent: Between 138°E and 144°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32454')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32454')
```

WGS 72BE / UTM zone 54S

Extent: Between 138°E and 144°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32554')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32554')
```

WGS 72BE / UTM zone 55N

Extent: Between 144°E and 150°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32455')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32455')
```

WGS 72BE / UTM zone 55S

Extent: Between 144°E and 150°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_55S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32555')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_55S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32555')
```

WGS 72BE / UTM zone 56N

Extent: Between 150°E and 156°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_56N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32456')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_56N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32456')
```

WGS 72BE / UTM zone 56S

Extent: Between 150°E and 156°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_56S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32556')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_56S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32556')
```

WGS 72BE / UTM zone 57N

Extent: Between 156°E and 162°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_57N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32457')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_57N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32457')
```

WGS 72BE / UTM zone 57S

Extent: Between 156°E and 162°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_57S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32557')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_57S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32557')
```

WGS 72BE / UTM zone 58N

Extent: Between 162°E and 168°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_58N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32458')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_58N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32458')
```

WGS 72BE / UTM zone 58S

Extent: Between 162°E and 168°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32558')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32558')
```

WGS 72BE / UTM zone 59N

Extent: Between 168°E and 174°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32459')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32459')
```

WGS 72BE / UTM zone 59S

Extent: Between 168°E and 174°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32559')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32559')
```

WGS 72BE / UTM zone 5N

Extent: Between 156°W and 150°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32405')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32405')
```

WGS 72BE / UTM zone 5S

Extent: Between 156°W and 150°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_5S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32505')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_5S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32505')
```

WGS 72BE / UTM zone 60N

Extent: Between 174°E and 180°E, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32460')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32460')
```

WGS 72BE / UTM zone 60S

Extent: Between 174°E and 180°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_60S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32560')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_60S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32560')
```

WGS 72BE / UTM zone 6N

Extent: Between 150°W and 144°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32406')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32406')
```

WGS 72BE / UTM zone 6S

Extent: Between 150°W and 144°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32506')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32506')
```

WGS 72BE / UTM zone 7N

Extent: Between 144°W and 138°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32407')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32407')
```

WGS 72BE / UTM zone 7S

Extent: Between 144°W and 138°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32507')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32507')
```

WGS 72BE / UTM zone 8N

Extent: Between 138°W and 132°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32408')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32408')
```

WGS 72BE / UTM zone 8S

Extent: Between 138°W and 132°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32508')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32508')
```

WGS 72BE / UTM zone 9N

Extent: Between 132°W and 126°W, northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32409')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32409')
```

WGS 72BE / UTM zone 9S

Extent: Between 132°W and 126°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32509')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32509')
```

WGS 84 / Andaman and Nicobar

Extent: India - Andaman and Nicobar Islands

```
Projected::fromSRID(Projected::EPSG_WGS_84_ANDAMAN_AND_NICOBAR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7777')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ANDAMAN_AND_NICOBAR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7777')
```

WGS 84 / Andhra Pradesh

Extent: India - Andhra Pradesh; Telangana; Yanam area of Pudacherry territory

```
Projected::fromSRID(Projected::EPSG_WGS_84_ANDHRA_PRADESH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7756')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ANDHRA_PRADESH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7756')
```

WGS 84 / Antarctic Polar Stereographic

Extent: Antarctica

```
Projected::fromSRID(Projected::EPSG_WGS_84_ANTARCTIC_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3031')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ANTARCTIC_POLAR_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3031')
```

WGS 84 / Arctic Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_ARCTIC_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3995')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ARCTIC_POLAR_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3995')
```

Used to serve the bathymetry of the Arctic Region as image tiles in a Web Mapping Service.

WGS 84 / Arunachal Pradesh

Extent: India - Arunachal Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_ARUNACHAL_PRADESH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7757')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ARUNACHAL_PRADESH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7757')
```

WGS 84 / Assam

Extent: India - Assam

```
Projected::fromSRID(Projected::EPSG_WGS_84_ASSAM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7758')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ASSAM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7758')
```

WGS 84 / Australian Antarctic Lambert

Extent: Antarctica - north of 80°S and between 45°E and 136°E and between 142°E and 160°E - Australian sector north of 80°S

```
Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3033')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3033')
```

WGS 84 / Australian Antarctic Polar Stereographic

Extent: Antarctica between 45°E and 136°E and between 142°E and 160°E - Australian sector

```
Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3032')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3032')
```

WGS 84 / Australian Centre for Remote Sensing Lambert

Extent: Australia - Australian Capital Territory; New South Wales; Northern Territory; Queensland; South Australia; Tasmania; Western Australia; Victoria

```
Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_CENTRE_FOR_REMOTE_SENSING_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4462')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_CENTRE_FOR_REMOTE_
↪SENSING_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4462')
```

See also GDA94 / GA LCC (CRS code 3112).

WGS 84 / BLM 14N (ftUS)

Extent: United States (USA) - Gulf of Mexico outer continental shelf (GoM OCS) west of approximately 96°W - protraction areas Corpus Christi; Port Isabel

```
Projected::fromSRID(Projected::EPSG_WGS_84_BLM_14N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32664')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_BLM_14N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32664')
```

See WGS 84 / UTM zone 14N (code 32614) for metric equivalent. See NAD27 / BLM 14N (ftUS) (code 32064) for system used in US Gulf of Mexico oil operations.

WGS 84 / BLM 15N (ftUS)

Extent: United States (USA) - Gulf of Mexico outer continental shelf (GoM OCS) between approximately 96°W and 90°W - protraction areas East Breaks; Alaminos Canyon; Garden Banks; Keathley Canyon; Sigsbee Escarpment; Ewing Bank; Green Canyon; Walker Ridge; Amery Terrace

```
Projected::fromSRID(Projected::EPSG_WGS_84_BLM_15N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32665')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_BLM_15N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32665')
```

See WGS 84 / UTM zone 15N (code 32615) for metric equivalent. See NAD27 / BLM 15N (ftUS) (code 32065) for system used in US Gulf of Mexico oil operations.

WGS 84 / BLM 16N (ftUS)

Extent: United States (USA) - Gulf of Mexico outer continental shelf (GoM OCS) between approximately 90°W and 84°W - protraction areas Mobile; Viosca Knoll; Mississippi Canyon; Atwater Valley; Lund; Lund South; Pensacola; Destin Dome; De Soto Canyon; Lloyd Ridge; Henderson; Florida Plain; Campeche Escarpment; Apalachicola; Florida Middle Ground; The Elbow; Vernon Basin; Howell Hook; Rankin

```
Projected::fromSRID(Projected::EPSG_WGS_84_BLM_16N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32666')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_BLM_16N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32666')
```

See WGS 84 / UTM zone 16N (code 32616) for metric equivalent. See NAD27 / BLM 16N (ftUS) (code 32066) for system used in US Gulf of Mexico oil operations.

WGS 84 / BLM 17N (ftUS)

Extent: United States (USA) - Gulf of Mexico outer continental shelf (GoM OCS) east of approximately 84°W - protraction areas Gainesville; Tarpon Springs; St Petersburg; Charlotte Harbor; Pulley Ridge; Dry Tortugas; Tortugas Valley; Miami; Key West

```
Projected::fromSRID(Projected::EPSG_WGS_84_BLM_17N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32667')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_BLM_17N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32667')
```

See WGS 84 / UTM zone 17N (code 32617) for metric equivalent. See NAD27 / BLM 17N (ftUS) (code 32067) for system used in US Gulf of Mexico oil operations.

WGS 84 / Bihar

Extent: India - Bihar

```
Projected::fromSRID(Projected::EPSG_WGS_84_BIHAR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7759')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_BIHAR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7759')
```

WGS 84 / CIG92

Extent: Christmas Island - onshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_CIG92)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_CIG92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6720')
```

Usage restricted to areas below 270m above sea level. Replaced by GDA94 / CIG94 (CRS code 6721).

WGS 84 / CKIG92

Extent: Cocos (Keeling) Islands - onshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_CKIG92)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6722')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_CKIG92)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6722')
```

Replaced by GDA94 / CKIG94 (CRS code 6723).

WGS 84 / Cape Verde National

Extent: Cape Verde - onshore and offshore. Includes Boa Vista, Brava, Fogo, Maio, Sal, Santo Antao, Sao Nicolau, Sao Tiago, Sao Vicente

```
Projected::fromSRID(Projected::EPSG_WGS_84_CAPE_VERDE_NATIONAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4826')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_CAPE_VERDE_NATIONAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4826')
```

Adopted in October 2004.

WGS 84 / Chhattisgarh

Extent: India - Chhattisgarh

```
Projected::fromSRID(Projected::EPSG_WGS_84_CHHATTISGARH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7778')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_CHHATTISGARH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7778')
```

WGS 84 / Delhi

Extent: India - Delhi national capital territory

```
Projected::fromSRID(Projected::EPSG_WGS_84_DELHI)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7760')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_DELHI)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7760')
```

WGS 84 / Dubai Local TM

Extent: United Arab Emirates (UAE) - Dubai municipality

```
Projected::fromSRID(Projected::EPSG_WGS_84_DUBAI_LOCAL_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3997')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_DUBAI_LOCAL_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3997')
```

WGS 84 / EPSG Alaska Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ALASKA_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5936')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ALASKA_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5936')
```

WGS 84 / EPSG Arctic Regional zone A1

Extent: Arctic - 87°N to 75°N, approximately 156°W to approximately 66°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5921')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5921')
```

WGS 84 / EPSG Arctic Regional zone A2

Extent: Arctic - 87°N to 75°N, approximately 84°W to approximately 6°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5922')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5922')
```

WGS 84 / EPSG Arctic Regional zone A3

Extent: Arctic - 87°N to 75°N, approximately 12°W to approximately 78°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5923')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5923')
```

WGS 84 / EPSG Arctic Regional zone A4

Extent: Arctic - 87°N to 75°N, approximately 60°E to approximately 150°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5924')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5924')
```

WGS 84 / EPSG Arctic Regional zone A5

Extent: Arctic - 87°N to 75°N, approximately 132°E to approximately 138°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5925')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5925')
```

WGS 84 / EPSG Arctic Regional zone B1

Extent: Arctic - 79°N to 67°N, approximately 156°W to approximately 66°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5926')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5926')
```

WGS 84 / EPSG Arctic Regional zone B2

Extent: Arctic - 79°N to 67°N, approximately 84°W to approximately 6°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5927')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5927')
```

WGS 84 / EPSG Arctic Regional zone B3

Extent: Arctic - 79°N to 67°N, approximately 12°W to approximately 78°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5928')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5928')
```

WGS 84 / EPSG Arctic Regional zone B4

Extent: Arctic - 79°N to 67°N, approximately 60°E to approximately 150°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5929')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5929')
```

WGS 84 / EPSG Arctic Regional zone B5

Extent: Arctic - 79°N to 67°N, approximately 132°E to approximately 138°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5930')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5930')
```

WGS 84 / EPSG Arctic Regional zone C1

Extent: Arctic - 71°N to 59°N, approximately 156°W to approximately 66°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C1)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5931')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C1)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5931')
```

WGS 84 / EPSG Arctic Regional zone C2

Extent: Arctic - 71°N to 59°N, approximately 84°W to approximately 6°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C2)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5932')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5932')
```

WGS 84 / EPSG Arctic Regional zone C3

Extent: Arctic - 71°N to 59°N, approximately 12°W to approximately 78°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C3)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5933')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5933')
```

WGS 84 / EPSG Arctic Regional zone C4

Extent: Arctic - 71°N to 59°N, approximately 60°E to approximately 150°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C4)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5934')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5934')
```

WGS 84 / EPSG Arctic Regional zone C5

Extent: Arctic - 71°N to 59°N, approximately 132°E to approximately 138°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C5)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5935')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5935')
```

WGS 84 / EPSG Arctic zone 1-21

Extent: Arctic - between 87°50'N and 82°50'N, approximately 180°W to approximately 120°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6118')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6118')
```

WGS 84 / EPSG Arctic zone 1-27

Extent: Arctic - between 87°50'N and 82°50'N, approximately 0°E to approximately 60°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6115')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6115')
```

WGS 84 / EPSG Arctic zone 1-29

Extent: Arctic - between 87°50'N and 82°50'N, approximately 60°E to approximately 120°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6116')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6116')
```

WGS 84 / EPSG Arctic zone 1-31

Extent: Arctic - between 87°50'N and 82°50'N, approximately 120°E to approximately 180°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6117')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6117')
```

WGS 84 / EPSG Arctic zone 2-10

Extent: Arctic - between 84°30'N and 79°30'N, approximately 146°E to approximately 174°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6120')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6120')
```

WGS 84 / EPSG Arctic zone 2-12

Extent: Arctic - between 84°30'N and 79°30'N, approximately 174°W to approximately 135°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6121')
```

WGS 84 / EPSG Arctic zone 2-24

Extent: Arctic - between 84°30'N and 79°30'N, approximately 33°E to approximately 73°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6075')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6075')
```

WGS 84 / EPSG Arctic zone 2-26

Extent: Arctic - between 84°30'N and 79°30'N, approximately 73°E to approximately 113°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6076')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6076')
```

WGS 84 / EPSG Arctic zone 2-28

Extent: Arctic - between 84°30'N and 79°30'N, approximately 113°E to approximately 153°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6119')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6119')
```

WGS 84 / EPSG Arctic zone 3-13

Extent: Arctic (Russia onshore and offshore) - between 81°10'N and 76°10'N, approximately 35°E to approximately 67°E. May be extended eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6077')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6077')
```

WGS 84 / EPSG Arctic zone 3-15

Extent: Arctic (Russia onshore and offshore) - between 81°10'N and 76°10'N, approximately 67°E to approximately 98°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6078')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6078')
```

WGS 84 / EPSG Arctic zone 3-17

Extent: Arctic (Russia onshore and offshore) - between 81°10'N and 76°10'N, approximately 98°E to approximately 129°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6079')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6079')
```

WGS 84 / EPSG Arctic zone 3-19

Extent: Arctic (Russia onshore and offshore) - between 81°10'N and 76°10'N, approximately 129°E to approximately 160°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6080')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6080')
```

WGS 84 / EPSG Arctic zone 3-21

Extent: Arctic - between 81°10'N and 76°10'N, approximately 160°E to approximately 169°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6122')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6122')
```

WGS 84 / EPSG Arctic zone 3-23

Extent: Arctic - between 81°10'N and 76°10'N, approximately 169°W to approximately 138°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6123')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6123')
```

WGS 84 / EPSG Arctic zone 4-12

Extent: Arctic - between 77°50'N and 72°50'N, approximately 169°W to approximately 141°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6124')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6124')
```

WGS 84 / EPSG Arctic zone 4-30

Extent: Arctic - between 77°50'N and 72°50'N, approximately 46°E to approximately 70°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6081')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6081')
```

WGS 84 / EPSG Arctic zone 4-32

Extent: Arctic - between 77°50'N and 72°50'N, approximately 70°E to approximately 94°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6082')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6082')
```

WGS 84 / EPSG Arctic zone 4-34

Extent: Arctic - between 77°50'N and 72°50'N, approximately 94°E to approximately 118°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6083')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6083')
```

WGS 84 / EPSG Arctic zone 4-36

Extent: Arctic - between 77°50'N and 72°50'N, approximately 118°E to approximately 142°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6084')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6084')
```

WGS 84 / EPSG Arctic zone 4-38

Extent: Arctic - between 77°50'N and 72°50'N, approximately 142°E to approximately 166°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6085')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6085')
```

WGS 84 / EPSG Arctic zone 4-40

Extent: Arctic - between 77°50'N and 72°50'N, approximately 166°E to approximately 169°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6086')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6086')
```

WGS 84 / EPSG Arctic zone 5-15

Extent: Arctic - between 74°30'N and 69°30'N, approximately 44°E to approximately 64°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6087')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6087')
```

WGS 84 / EPSG Arctic zone 5-17

Extent: Arctic - between 74°30'N and 69°30'N, approximately 64°E to approximately 85°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6088')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6088')
```

WGS 84 / EPSG Arctic zone 5-19

Extent: Arctic - between 74°30'N and 69°30'N, approximately 85°E to approximately 106°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6089')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6089')
```

WGS 84 / EPSG Arctic zone 5-21

Extent: Arctic - between 74°30'N and 69°30'N, approximately 106°E to approximately 127°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6090')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6090')
```

WGS 84 / EPSG Arctic zone 5-23

Extent: Arctic - between 74°30'N and 69°30'N, approximately 127°E to approximately 148°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6091')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6091')
```

WGS 84 / EPSG Arctic zone 5-25

Extent: Arctic - between 74°30'N and 69°30'N, approximately 148°E to approximately 169°E. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6092')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6092')
```

WGS 84 / EPSG Arctic zone 5-27

Extent: Arctic - between 74°30'N and 69°30'N, approximately 169°E to approximately 169°W. May be extended westwards or eastwards within the latitude limits

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6093')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6093')
```

WGS 84 / EPSG Canada Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_CANADA_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5937')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_CANADA_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5937')
```

WGS 84 / EPSG Greenland Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_GREENLAND_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5938')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_GREENLAND_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5938')
```

WGS 84 / EPSG Norway Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_NORWAY_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5939')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_NORWAY_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5939')
```

WGS 84 / EPSG Russia Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_RUSSIA_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5940')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EPSG_RUSSIA_POLAR_
↪STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5940')
```

WGS 84 / Equal Earth Americas

Extent: World

```
Projected::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_AMERICAS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8858')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_AMERICAS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8858')
```

WGS 84 / Equal Earth Asia-Pacific

Extent: World

```
Projected::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_ASIA_PACIFIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8859')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_ASIA_PACIFIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8859')
```

WGS 84 / Equal Earth Greenwich

Extent: World

```
Projected::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_GREENWICH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_GREENWICH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8857')
```

WGS 84 / GLANCE Africa

Extent: Africa and the Arabian peninsula

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_AFRICA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10592')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GLANCE_AFRICA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10592')
```

Basis for the equal area continental tiling system for Africa used by the GLANCE land cover products.

WGS 84 / GLANCE Asia

Extent: Asia excluding Russia west of the Ural Mountains

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_ASIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10594')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GLANCE_ASIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10594')
```

Basis for the equal area continental tiling system for Asia used by the GLANCE land cover products.

WGS 84 / GLANCE Europe

Extent: Europe including Russia west of the Ural Mountains

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10596')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GLANCE_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10596')
```

Basis for the equal area continental tiling system for Europe used by the GLANCE land cover products. For compatibility with EU INSPIRE regulations use ETRS89-extended / LAEA Europe (CRS code 3035).

WGS 84 / GLANCE North America

Extent: North America, the Caribbean and Central America excluding Panama

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_NORTH_AMERICA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10598')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GLANCE_NORTH_AMERICA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10598')
```

Basis for the equal area continental tiling system for North America used by the GLANCE land cover products.

WGS 84 / GLANCE Oceania

Extent: Australasia and the western Pacific Ocean

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_OCEANIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10601')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GLANCE_OCEANIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10601')
```

Basis for the equal area continental tiling system for Oceania used by the GLANCE land cover products.

WGS 84 / GLANCE South America

Extent: South America including Panama

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_SOUTH_AMERICA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::10603')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GLANCE_SOUTH_AMERICA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10603')
```

Basis for the equal area continental tiling system for South America used by the GLANCE land cover products.

WGS 84 / Gabon TM

Extent: Gabon - onshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_GABON_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5223')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GABON_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5223')
```

For topographic mapping and surveying applications see WGS 84 / Gabon TM 2011, CRS code 5523.

WGS 84 / Gabon TM 2011

Extent: Gabon - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_GABON_TM_2011)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5523')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GABON_TM_2011)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5523')
```

For forestry applications see CRS code 5223.

WGS 84 / Goa

Extent: India - Goa

```
Projected::fromSRID(Projected::EPSG_WGS_84_GOA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7779')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GOA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7779')
```

WGS 84 / Gujarat

Extent: India - Gujarat and union territories of Daman, Diu, Dadra and Nagar Haveli

```
Projected::fromSRID(Projected::EPSG_WGS_84_GUJARAT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7761')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_GUJARAT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7761')
```

WGS 84 / Haryana

Extent: India - Haryana including Chandigarh

```
Projected::fromSRID(Projected::EPSG_WGS_84_HARYANA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7762')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_HARYANA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7762')
```

WGS 84 / Himachal Pradesh

Extent: India - Himachal Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_HIMACHAL_PRADESH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7763')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_HIMACHAL_PRADESH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7763')
```

WGS 84 / IBCAO Polar Stereographic

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_IBCAO_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3996')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_IBCAO_POLAR_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3996')
```

Used as the coordinate base for creation of digital terrain models (DTMs) for the International Bathymetric Chart of the Arctic Ocean.

WGS 84 / IBCSO Polar Stereographic

Extent: Southern hemisphere - south of 50°S onshore and offshore, including Antarctica

```
Projected::fromSRID(Projected::EPSG_WGS_84_IBCSO_POLAR_STEREOGRAPHIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_IBCSO_POLAR_STEREOGRAPHIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9354')
```

Used as the coordinate base for creation of digital terrain models (DTMs) for the International Bathymetric Chart of the Southern Ocean.

WGS 84 / India NSF LCC

Extent: India - onshore and offshore. Includes Amandivis, Laccadives, Minicoy, Andaman Islands, Nicobar Islands, and Sikkim

```
Projected::fromSRID(Projected::EPSG_WGS_84_INDIA_NSF_LCC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7755')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_INDIA_NSF_LCC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7755')
```

WGS 84 / India Northeast

Extent: India - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura

```
Projected::fromSRID(Projected::EPSG_WGS_84_INDIA_NORTHEAST)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7771')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_INDIA_NORTHEAST)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7771')
```

WGS 84 / Jammu and Kashmir

Extent: India - Jammu and Kashmir

```
Projected::fromSRID(Projected::EPSG_WGS_84_JAMMU_AND_KASHMIR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7764')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_JAMMU_AND_KASHMIR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7764')
```

WGS 84 / Jharkhand

Extent: India - Jharkhand

```
Projected::fromSRID(Projected::EPSG_WGS_84_JHARKHAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7765')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_JHARKHAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7765')
```

WGS 84 / Karnataka

Extent: India - Karnataka

```
Projected::fromSRID(Projected::EPSG_WGS_84_KARNATAKA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7780')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_KARNATAKA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7780')
```

WGS 84 / Kerala

Extent: India - Kerala; Mayyazhi (Mahe) area of Pudacherry territory

```
Projected::fromSRID(Projected::EPSG_WGS_84_KERALA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7781')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_KERALA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7781')
```

WGS 84 / Lakshadweep

Extent: India - Lakshadweep (Laccadive, Minicoy, and Aminidivi Islands)

```
Projected::fromSRID(Projected::EPSG_WGS_84_LAKSHADWEEP)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7782')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_LAKSHADWEEP)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7782')
```

WGS 84 / Madhya Pradesh

Extent: India - Madhya Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_MADHYA_PRADESH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_MADHYA_PRADESH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7766')
```

WGS 84 / Maharashtra

Extent: India - Maharashtra

```
Projected::fromSRID(Projected::EPSG_WGS_84_MAHARASHTRA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7767')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_MAHARASHTRA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7767')
```

WGS 84 / Manipur

Extent: India - Manipur

```
Projected::fromSRID(Projected::EPSG_WGS_84_MANIPUR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7768')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_MANIPUR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7768')
```

WGS 84 / Meghalaya

Extent: India - Meghalaya

```
Projected::fromSRID(Projected::EPSG_WGS_84_MEGHALAYA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7769')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_MEGHALAYA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7769')
```

WGS 84 / Mercator 41

Extent: Southwestern Pacific Ocean and Southern Ocean areas surrounding New Zealand

```
Projected::fromSRID(Projected::EPSG_WGS_84_MERCATOR_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3994')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_MERCATOR_41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3994')
```

For projects extending within the 12 nautical mile line or onshore, NIWA recommends using NZCS2000 (CRS code 3851). For offshore statistical analysis see WGS 84 / NIWA Albers (CRS code 9191).

WGS 84 / Mizoram

Extent: India - Mizoram

```
Projected::fromSRID(Projected::EPSG_WGS_84_MIZORAM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7783')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_MIZORAM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7783')
```

WGS 84 / NIWA Albers

Extent: Southwestern Pacific Ocean and Southern Ocean areas surrounding New Zealand

```
Projected::fromSRID(Projected::EPSG_WGS_84_NIWA_ALBERS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9191')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NIWA_ALBERS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9191')
```

For spatial referencing and conformal mapping nearshore see NZGD2000 / NZCS2000 (CRS code 3851) and for offshore see WGS 84 / Mercator 41 (CRS code 3994).

WGS 84 / NSIDC EASE-Grid 2.0 Global

Extent: World between 86°S and 86°N

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_GLOBAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6933')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_GLOBAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6933')
```

Supersedes NSIDC EASE-Grid Global, CRS code 3410. This ellipsoidal development is to be preferred for new data.

WGS 84 / NSIDC EASE-Grid 2.0 North

Extent: Northern hemisphere

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6931')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6931')
```

Supersedes NSIDC EASE-Grid North, CRS code 3408. This ellipsoidal development is to be preferred for new data.

WGS 84 / NSIDC EASE-Grid 2.0 South

Extent: Southern hemisphere

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6932')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6932')
```

Supersedes NSIDC EASE-Grid South, CRS code 3409. This ellipsoidal development is to be preferred for new data.

WGS 84 / NSIDC Sea Ice Polar Stereographic North

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_NORTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3413')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NSIDC_SEA_ICE_POLAR_
↪STEREOGRAPHIC_NORTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3413')
```

Geodetically preferred alternative to NSIDC PS North (see CRS code 3411).

WGS 84 / NSIDC Sea Ice Polar Stereographic South

Extent: Southern hemisphere - south of 60°S onshore and offshore - Antarctica

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_SOUTH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3976')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NSIDC_SEA_ICE_POLAR_
↪STEREOGRAPHIC_SOUTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3976')
```

Geodetically preferred alternative to NSIDC PS South (see CRS code 3412).

WGS 84 / Nagaland

Extent: India - Nagaland

```
Projected::fromSRID(Projected::EPSG_WGS_84_NAGALAND)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7770')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NAGALAND)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7770')
```

WGS 84 / North Pole LAEA Alaska

Extent: Northern hemisphere - north of 45°N, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_ALASKA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3572')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_ALASKA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3572')
```

For studies of Alaskan area.

WGS 84 / North Pole LAEA Atlantic

Extent: Northern hemisphere - north of 45°N, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_ATLANTIC)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3574')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_ATLANTIC)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3574')
```

For studies of North Atlantic and Greenland area.

WGS 84 / North Pole LAEA Bering Sea

Extent: Northern hemisphere - north of 45°N, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_BERING_SEA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3571')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_BERING_SEA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3571')
```

For studies of Bering Sea area.

WGS 84 / North Pole LAEA Canada

Extent: Northern hemisphere - north of 45°N, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_CANADA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3573')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_CANADA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3573')
```

For studies of Canadian Arctic area.

WGS 84 / North Pole LAEA Europe

Extent: Northern hemisphere - north of 45°N, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_EUROPE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3575')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_EUROPE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3575')
```

For studies of north European Arctic area.

WGS 84 / North Pole LAEA Russia

Extent: Northern hemisphere - north of 45°N, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_RUSSIA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3576')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_RUSSIA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3576')
```

For studies of Russian Arctic area.

WGS 84 / Orissa

Extent: India - Odisha (Orissa)

```
Projected::fromSRID(Projected::EPSG_WGS_84_ORISSA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7772')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_ORISSA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7772')
```

WGS 84 / PDC Mercator

Extent: Pacific Ocean - American Samoa, Antarctica, Australia, Brunei Darussalam, Cambodia, Canada, Chile, China, China - Hong Kong, China - Macao, Cook Islands, Ecuador, Fiji, French Polynesia, Guam, Indonesia, Japan, Kiribati, Democratic People's Republic of Korea (North Korea), Republic of Korea (South Korea), Malaysia, Marshall Islands, Federated States of Micronesia, Nauru, New Caledonia, New Zealand, Niue, Norfolk Island, Northern Mariana Islands, Palau, Panama, Papua New Guinea (PNG), Peru, Philippines, Pitcairn, Russian Federation, Samoa, Singapore, Solomon Islands, Taiwan, Thailand, Tokelau, Tonga, Tuvalu, United States (USA), United States Minor Outlying Islands, Vanuatu, Venezuela, Vietnam, Wallis and Futuna

```
Projected::fromSRID(Projected::EPSG_WGS_84_PDC_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3832')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_PDC_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3832')
```

WGS 84 / Pseudo-Mercator

Extent: World between 85.06°S and 85.06°N

```
Projected::fromSRID(Projected::EPSG_WGS_84_PSEUDO_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3857')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_PSEUDO_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3857')
```

Not a recognised geodetic system. Uses spherical development of ellipsoidal coordinates. Relative to WGS 84 / World Mercator (CRS code 3395) gives errors of 0.7 percent in scale and differences in northing of up to 43km in the map (21km on the ground).

WGS 84 / Punjab

Extent: India - Punjab including Chandigarh

```
Projected::fromSRID(Projected::EPSG_WGS_84_PUNJAB)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7773')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_PUNJAB)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7773')
```

WGS 84 / Rajasthan

Extent: India - Rajasthan

```
Projected::fromSRID(Projected::EPSG_WGS_84_RAJASTHAN)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7774')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_RAJASTHAN)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7774')
```

WGS 84 / SCAR IMW SP19-20

Extent: Antarctica - 60°S to 64°S and 72°W to 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP19_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3204')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP19_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3204')
```

WGS 84 / SCAR IMW SP21-22

Extent: Antarctica - 60°S to 64°S and 60°W to 48°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP21_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3205')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP21_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3205')
```

WGS 84 / SCAR IMW SP23-24

Extent: Antarctica - 60°S to 64°S and 48°W to 36°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP23_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3206')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP23_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3206')
```

WGS 84 / SCAR IMW SQ01-02

Extent: Antarctica - 64°S to 68°S and 180°W to 168°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ01_02)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3207')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ01_02)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3207')
```

WGS 84 / SCAR IMW SQ19-20

Extent: Antarctica - 64°S to 68°S and 72°W to 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ19_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3208')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ19_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3208')
```

WGS 84 / SCAR IMW SQ21-22

Extent: Antarctica - 64°S to 68°S and 60°W to 48°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ21_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3209')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ21_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3209')
```

WGS 84 / SCAR IMW SQ37-38

Extent: Antarctica - 64°S to 68°S and 36°E to 48°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ37_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3210')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ37_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3210')
```

WGS 84 / SCAR IMW SQ39-40

Extent: Antarctica - 64°S to 68°S and 48°E to 60°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ39_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3211')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ39_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3211')
```

WGS 84 / SCAR IMW SQ41-42

Extent: Antarctica - 64°S to 68°S and 60°E to 72°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ41_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3212')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ41_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3212')
```

WGS 84 / SCAR IMW SQ43-44

Extent: Antarctica - 64°S to 68°S and 72°E to 84°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ43_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3213')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ43_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3213')
```

WGS 84 / SCAR IMW SQ45-46

Extent: Antarctica - 64°S to 68°S and 84°E to 96°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ45_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3214')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ45_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3214')
```

WGS 84 / SCAR IMW SQ47-48

Extent: Antarctica - 64°S to 68°S and 96°E to 108°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ47_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3215')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ47_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3215')
```

WGS 84 / SCAR IMW SQ49-50

Extent: Antarctica - 64°S to 68°S and 108°E to 120°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ49_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3216')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ49_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3216')
```

WGS 84 / SCAR IMW SQ51-52

Extent: Antarctica - 64°S to 68°S and 120°E to 132°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ51_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3217')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ51_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3217')
```

WGS 84 / SCAR IMW SQ53-54

Extent: Antarctica - 64°S to 68°S and 132°E to 144°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ53_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3218')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ53_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3218')
```

WGS 84 / SCAR IMW SQ55-56

Extent: Antarctica - 64°S to 68°S and 144°E to 156°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ55_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3219')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ55_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3219')
```

WGS 84 / SCAR IMW SQ57-58

Extent: Antarctica - 64°S to 68°S and 156°E to 168°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ57_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3220')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ57_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3220')
```

WGS 84 / SCAR IMW SR13-14

Extent: Antarctica - 68°S to 72°S and 108°W to 96°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR13_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3221')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR13_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3221')
```

WGS 84 / SCAR IMW SR15-16

Extent: Antarctica - 68°S to 72°S and 96°W to 84°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR15_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3222')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR15_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3222')
```

WGS 84 / SCAR IMW SR17-18

Extent: Antarctica - 68°S to 72°S and 84°W to 72°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR17_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3223')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR17_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3223')
```

WGS 84 / SCAR IMW SR19-20

Extent: Antarctica - 68°S to 72°S and 72°W to 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR19_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3224')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR19_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3224')
```

WGS 84 / SCAR IMW SR27-28

Extent: Antarctica - 68°S to 72°S and 24°W to 12°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR27_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3225')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR27_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3225')
```

WGS 84 / SCAR IMW SR29-30

Extent: Antarctica - 68°S to 72°S and 12°W to 0°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR29_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3226')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR29_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3226')
```

WGS 84 / SCAR IMW SR31-32

Extent: Antarctica - 68°S to 72°S and 0°E to 12°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR31_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3227')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR31_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3227')
```

WGS 84 / SCAR IMW SR33-34

Extent: Antarctica - 68°S to 72°S and 12°E to 24°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR33_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3228')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR33_34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3228')
```

WGS 84 / SCAR IMW SR35-36

Extent: Antarctica - 68°S to 72°S and 24°E to 36°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR35_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3229')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR35_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3229')
```

WGS 84 / SCAR IMW SR37-38

Extent: Antarctica - 68°S to 72°S and 36°E to 48°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR37_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3230')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR37_38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3230')
```

WGS 84 / SCAR IMW SR39-40

Extent: Antarctica - 68°S to 72°S and 48°E to 60°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR39_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3231')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR39_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3231')
```

WGS 84 / SCAR IMW SR41-42

Extent: Antarctica - 68°S to 72°S and 60°E to 72°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR41_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3232')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR41_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3232')
```

WGS 84 / SCAR IMW SR43-44

Extent: Antarctica - 68°S to 72°S and 72°E to 84°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR43_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3233')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR43_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3233')
```

WGS 84 / SCAR IMW SR45-46

Extent: Antarctica - 68°S to 72°S and 84°E to 96°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR45_46)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3234')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR45_46)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3234')
```

WGS 84 / SCAR IMW SR47-48

Extent: Antarctica - 68°S to 72°S and 96°E to 108°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR47_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3235')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR47_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3235')
```

WGS 84 / SCAR IMW SR49-50

Extent: Antarctica - 68°S to 72°S and 108°E to 120°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR49_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3236')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR49_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3236')
```

WGS 84 / SCAR IMW SR51-52

Extent: Antarctica - 68°S to 72°S and 120°E to 132°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR51_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3237')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR51_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3237')
```

WGS 84 / SCAR IMW SR53-54

Extent: Antarctica - 68°S to 72°S and 132°E to 144°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR53_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3238')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR53_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3238')
```

WGS 84 / SCAR IMW SR55-56

Extent: Antarctica - 68°S to 72°S and 144°E to 156°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR55_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3239')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR55_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3239')
```

WGS 84 / SCAR IMW SR57-58

Extent: Antarctica - 68°S to 72°S and 156°E to 168°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR57_58)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3240')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR57_58)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3240')
```

WGS 84 / SCAR IMW SR59-60

Extent: Antarctica - 68°S to 72°S and 168°E to 180°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR59_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3241')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR59_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3241')
```

WGS 84 / SCAR IMW SS04-06

Extent: Antarctica - 72°S to 76°S and 162°W to 144°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS04_06)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3242')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS04_06)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3242')
```

WGS 84 / SCAR IMW SS07-09

Extent: Antarctica - 72°S to 76°S and 144°W to 126°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS07_09)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3243')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS07_09)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3243')
```

WGS 84 / SCAR IMW SS10-12

Extent: Antarctica - 72°S to 76°S and 126°W to 108°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS10_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3244')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS10_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3244')
```

WGS 84 / SCAR IMW SS13-15

Extent: Antarctica - 72°S to 76°S and 108°W to 90°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS13_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3245')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS13_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3245')
```

WGS 84 / SCAR IMW SS16-18

Extent: Antarctica - 72°S to 76°S and 90°W to 72°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS16_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3246')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS16_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3246')
```

WGS 84 / SCAR IMW SS19-21

Extent: Antarctica - 72°S to 76°S and 72°W to 54°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS19_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3247')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS19_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3247')
```

WGS 84 / SCAR IMW SS25-27

Extent: Antarctica - 72°S to 76°S and 36°W to 18°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS25_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3248')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS25_27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3248')
```

WGS 84 / SCAR IMW SS28-30

Extent: Antarctica - 72°S to 76°S and 18°W to 0°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS28_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3249')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS28_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3249')
```

WGS 84 / SCAR IMW SS31-33

Extent: Antarctica - 72°S to 76°S and 0°E to 18°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS31_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3250')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS31_33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3250')
```

WGS 84 / SCAR IMW SS34-36

Extent: Antarctica - 72°S to 76°S and 18°E to 36°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS34_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3251')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS34_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3251')
```

WGS 84 / SCAR IMW SS37-39

Extent: Antarctica - 72°S to 76°S and 36°E to 54°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS37_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3252')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS37_39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3252')
```

WGS 84 / SCAR IMW SS40-42

Extent: Antarctica - 72°S to 76°S and 54°E to 72°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS40_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3253')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS40_42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3253')
```

WGS 84 / SCAR IMW SS43-45

Extent: Antarctica - 72°S to 76°S and 72°E to 90°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS43_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3254')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS43_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3254')
```

WGS 84 / SCAR IMW SS46-48

Extent: Antarctica - 72°S to 76°S and 90°E to 108°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS46_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3255')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS46_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3255')
```

WGS 84 / SCAR IMW SS49-51

Extent: Antarctica - 72°S to 76°S and 108°E to 126°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS49_51)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3256')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS49_51)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3256')
```

WGS 84 / SCAR IMW SS52-54

Extent: Antarctica - 72°S to 76°S and 126°E to 144°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS52_54)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3257')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS52_54)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3257')
```

WGS 84 / SCAR IMW SS55-57

Extent: Antarctica - 72°S to 76°S and 144°E to 162°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS55_57)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3258')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS55_57)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3258')
```

WGS 84 / SCAR IMW SS58-60

Extent: Antarctica - 72°S to 76°S and 162°E to 180°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS58_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3259')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS58_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3259')
```

WGS 84 / SCAR IMW ST01-04

Extent: Antarctica - 76°S to 80°S and 180°W to 156°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST01_04)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3260')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST01_04)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3260')
```

WGS 84 / SCAR IMW ST05-08

Extent: Antarctica - 76°S to 80°S and 156°W to 132°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST05_08)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3261')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST05_08)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3261')
```

WGS 84 / SCAR IMW ST09-12

Extent: Antarctica - 76°S to 80°S and 132°W to 108°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST09_12)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3262')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST09_12)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3262')
```

WGS 84 / SCAR IMW ST13-16

Extent: Antarctica - 76°S to 80°S and 108°W to 84°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST13_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3263')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST13_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3263')
```

WGS 84 / SCAR IMW ST17-20

Extent: Antarctica - 76°S to 80°S and 84°W to 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST17_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3264')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST17_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3264')
```

WGS 84 / SCAR IMW ST21-24

Extent: Antarctica - 76°S to 80°S and 60°W to 36°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST21_24)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3265')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST21_24)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3265')
```

WGS 84 / SCAR IMW ST25-28

Extent: Antarctica - 76°S to 80°S and 36°W to 12°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST25_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3266')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST25_28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3266')
```

WGS 84 / SCAR IMW ST29-32

Extent: Antarctica - 76°S to 80°S and 12°W to 12°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST29_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3267')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST29_32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3267')
```

WGS 84 / SCAR IMW ST33-36

Extent: Antarctica - 76°S to 80°S and 12°E to 36°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST33_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3268')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST33_36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3268')
```

WGS 84 / SCAR IMW ST37-40

Extent: Antarctica - 76°S to 80°S and 36°E to 60°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST37_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3269')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST37_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3269')
```

WGS 84 / SCAR IMW ST41-44

Extent: Antarctica - 76°S to 80°S and 60°E to 84°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST41_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3270')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST41_44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3270')
```

WGS 84 / SCAR IMW ST45-48

Extent: Antarctica - 76°S to 80°S and 84°E to 108°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST45_48)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3271')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST45_48)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3271')
```

WGS 84 / SCAR IMW ST49-52

Extent: Antarctica - 76°S to 80°S and 108°E to 132°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST49_52)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3272')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST49_52)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3272')
```

WGS 84 / SCAR IMW ST53-56

Extent: Antarctica - 76°S to 80°S and 132°E to 156°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST53_56)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3273')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST53_56)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3273')
```

WGS 84 / SCAR IMW ST57-60

Extent: Antarctica - 76°S to 80°S and 156°E to 180°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST57_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3274')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST57_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3274')
```

WGS 84 / SCAR IMW SU01-05

Extent: Antarctica - 80°S to 84°S and 180°W to 150°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU01_05)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3275')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU01_05)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3275')
```

WGS 84 / SCAR IMW SU06-10

Extent: Antarctica - 80°S to 84°S and 150°W to 120°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU06_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3276')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU06_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3276')
```

WGS 84 / SCAR IMW SU11-15

Extent: Antarctica - 80°S to 84°S and 120°W to 90°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU11_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3277')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU11_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3277')
```

WGS 84 / SCAR IMW SU16-20

Extent: Antarctica - 80°S to 84°S and 90°W to 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU16_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3278')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU16_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3278')
```

WGS 84 / SCAR IMW SU21-25

Extent: Antarctica - 80°S to 84°S and 60°W to 30°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU21_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3279')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU21_25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3279')
```

WGS 84 / SCAR IMW SU26-30

Extent: Antarctica - 80°S to 84°S and 30°W to 0°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU26_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3280')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU26_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3280')
```

WGS 84 / SCAR IMW SU31-35

Extent: Antarctica - 80°S to 84°S and 0°E to 30°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU31_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3281')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU31_35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3281')
```

WGS 84 / SCAR IMW SU36-40

Extent: Antarctica - 80°S to 84°S and 30°E to 60°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU36_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3282')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU36_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3282')
```

WGS 84 / SCAR IMW SU41-45

Extent: Antarctica - 80°S to 84°S and 60°E to 90°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU41_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3283')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU41_45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3283')
```

WGS 84 / SCAR IMW SU46-50

Extent: Antarctica - 80°S to 84°S and 90°E to 120°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU46_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3284')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU46_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3284')
```

WGS 84 / SCAR IMW SU51-55

Extent: Antarctica - 80°S to 84°S and 120°E to 150°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU51_55)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3285')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU51_55)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3285')
```

WGS 84 / SCAR IMW SU56-60

Extent: Antarctica - 80°S to 84°S and 150°E to 180°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU56_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3286')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU56_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3286')
```

WGS 84 / SCAR IMW SV01-10

Extent: Antarctica - 84°S to 88°S and 180°W to 120°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV01_10)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3287')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV01_10)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3287')
```

WGS 84 / SCAR IMW SV11-20

Extent: Antarctica - 84°S to 88°S and 120°W to 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV11_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3288')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV11_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3288')
```

WGS 84 / SCAR IMW SV21-30

Extent: Antarctica - 84°S to 88°S and 60°W to 0°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV21_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3289')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV21_30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3289')
```

WGS 84 / SCAR IMW SV31-40

Extent: Antarctica - 84°S to 88°S and 0°E to 60°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV31_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3290')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV31_40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3290')
```

WGS 84 / SCAR IMW SV41-50

Extent: Antarctica - 84°S to 88°S and 60°E to 120°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV41_50)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3291')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV41_50)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3291')
```

WGS 84 / SCAR IMW SV51-60

Extent: Antarctica - 84°S to 88°S and 120°E to 180°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV51_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3292')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV51_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3292')
```

WGS 84 / SCAR IMW SW01-60

Extent: Antarctica - 88°S to 90°S and 180°W to 180°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SW01_60)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3293')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SW01_60)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3293')
```

WGS 84 / Sikkim

Extent: India - Sikkim

```
Projected::fromSRID(Projected::EPSG_WGS_84_SIKKIM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7784')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SIKKIM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7784')
```

WGS 84 / South Georgia Lambert

Extent: South Georgia and the South Sandwich Islands - South Georgia onshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_SOUTH_GEORGIA_LAMBERT)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3762')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_SOUTH_GEORGIA_LAMBERT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3762')
```

WGS 84 / TM 116 SE

Extent: Indonesia - offshore Madura Strait and western Bali Sea

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_116_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2309')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_116_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2309')
```

Used by BP for Terang-Sirasun.

WGS 84 / TM 12 SE

Extent: Angola - offshore north of 8°S - including blocks 0, 1, 2, 14, 15, 17, 18 north of 8°S and 32; onshore Soyo area

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_12_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5842')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_12_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5842')
```

Used for Angola LNG project. May be considered to be consistent with RSAO13 / TM 12 SE (CRS code 9159) exactly at epoch 2010.90, deteriorating by 2.2cm per year. Camacupa 1948 TM 12 SE (CRS code 22092) used for geoscience in blocks awarded pre-2015.

WGS 84 / TM 132 SE

Extent: Indonesia - West Papua (formerly Irian Jaya) - Tangguh

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_132_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2310')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_132_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2310')
```

WGS 84 / TM 36 SE

Extent: Mozambique - offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_36_SE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32766')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_36_SE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32766')
```

WGS 84 / TM 6 NE

Extent: Nigeria - offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_6_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2311')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_6_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2311')
```

Used for oil exploration beyond the contintental shelf by ExxonMobil and with effect from March 2004 by Total for all offshore areas.

WGS 84 / TM 60 SW

Extent: Falkland Islands (Malvinas) - offshore - between 63°W and 57°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_60_SW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::6703')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_60_SW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6703')
```

WGS 84 / TM 90 NE

Extent: Bangladesh - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_90_NE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::9680')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_90_NE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9680')
```

Replaced use of Gulshan 303 / TM 90 NE (CRS code 3106) in Survey of Bangladesh from 2010. Not part of the global UTM grid system (for which see CRSs 32645 and 32646).

WGS 84 / TM Zone 20N (ftUS)

Extent: Trinidad and Tobago - offshore west of 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_20N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8035')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_20N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8035')
```

Note: this CRS uses US survet feet, not international feet.

WGS 84 / TM Zone 21N (ftUS)

Extent: Trinidad and Tobago - offshore east of 60°W

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_21N_FTUS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::8036')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_21N_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8036')
```

Note: this CRS uses US survet feet, not international feet.

WGS 84 / TMzn35N

Extent: Moldova - west of 30°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_TMZN35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4037')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TMZN35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4037')
```

In Moldova for mapping at 1:10,000 and larger and cadastre use MOLDREF99 / Moldova TM (CRS code 4026).

WGS 84 / TMzn36N

Extent: Moldova - east of 30°E

```
Projected::fromSRID(Projected::EPSG_WGS_84_TMZN36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4038')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TMZN36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4038')
```

In Moldova for mapping at 1:10,000 and larger and cadastre use MOLDREF99 / Moldova TM (CRS code 4026).

WGS 84 / Tamil Nadu

Extent: India - Tamil Nadu; Pudacherry and Karaikal areas of Pudacherry territory

```
Projected::fromSRID(Projected::EPSG_WGS_84_TAMIL_NADU)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7785')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TAMIL_NADU)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7785')
```

WGS 84 / Tripura

Extent: India - Tripura

```
Projected::fromSRID(Projected::EPSG_WGS_84_TRIPURA)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7786')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_TRIPURA)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7786')
```

WGS 84 / UPS North (E,N)

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5041')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5041')
```

See CRS 32661 for a similar system having axes and coordinates in the order Northing-Easting.

WGS 84 / UPS North (N,E)

Extent: Northern hemisphere - north of 60°N onshore and offshore, including Arctic

```
Projected::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32661')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32661')
```

See CRS 5041 for a similar system used by NATO having axes and coordinates in the order Easting-Northing.

WGS 84 / UPS South (E,N)

Extent: Southern hemisphere - south of 60°S onshore and offshore - Antarctica

```
Projected::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_E_N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5042')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_E_N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5042')
```

See CRS 32761 for a similar system having axes and coordinates in the order Northing-Easting.

WGS 84 / UPS South (N,E)

Extent: Southern hemisphere - south of 60°S onshore and offshore - Antarctica

```
Projected::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_N_E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32761')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_N_E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32761')
```

See CRS 5042 for a similar system used by NATO having axes and coordinates in the order Easting-Northing.

WGS 84 / USGS Transantarctic Mountains

Extent: Antarctica - Transantarctic mountains north of 80°S

```
Projected::fromSRID(Projected::EPSG_WGS_84_USGS_TRANSANTARCTIC_MOUNTAINS)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3294')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_USGS_TRANSANTARCTIC_MOUNTAINS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3294')
```

WGS 84 / UTM grid system (northern hemisphere)

Extent: Northern hemisphere between equator and 84°N, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_NORTHERN_HEMISPHERE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32600')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_NORTHERN_
↪HEMISPHERE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32600')
```

Use WGS 84 / UTM zone xx N (codes 32601-32660) for use outwith zone boundary or when easting is not prefixed by zone number.

WGS 84 / UTM grid system (southern hemisphere)

Extent: Southern hemisphere between equator and 80°S, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_SOUTHERN_HEMISPHERE)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32700')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_SOUTHERN_
↪HEMISPHERE)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32700')
```

Use WGS 84 / UTM zone xx S (codes 32701-32760) for use outwith zone boundary or when easting is not prefixed by zone number.

WGS 84 / UTM zone 10N

Extent: Between 126°W and 120°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - British Columbia (BC); Northwest Territories (NWT); Nunavut; Yukon. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_10N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32610')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_10N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32610')
```

WGS 84 / UTM zone 10S

Extent: Between 126°W and 120°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_10S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32710')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_10S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32710')
```

WGS 84 / UTM zone 11N

Extent: Between 120°W and 114°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - Alberta; British Columbia (BC); Northwest Territories (NWT); Nunavut. Mexico. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32611')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32611')
```

WGS 84 / UTM zone 11S

Extent: Between 120°W and 114°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32711')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32711')
```

WGS 84 / UTM zone 12N

Extent: Between 114°W and 108°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - Alberta; Northwest Territories (NWT); Nunavut; Saskatchewan. Mexico. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32612')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32612')
```

WGS 84 / UTM zone 12S

Extent: Between 114°W and 108°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32712')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32712')
```

WGS 84 / UTM zone 13N

Extent: Between 108°W and 102°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - Northwest Territories (NWT); Nunavut; Saskatchewan. Mexico. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32613')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32613')
```

WGS 84 / UTM zone 13S

Extent: Between 108°W and 102°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32713')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32713')
```

WGS 84 / UTM zone 14N

Extent: Between 102°W and 96°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - Manitoba; Nunavut; Saskatchewan. Mexico. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32614')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32614')
```

WGS 84 / UTM zone 14S

Extent: Between 102°W and 96°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32714')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32714')
```

WGS 84 / UTM zone 15N

Extent: Between 96°W and 90°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - Manitoba; Nunavut; Ontario. Ecuador -Galapagos. Guatemala. Mexico. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32615')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32615')
```

WGS 84 / UTM zone 15S

Extent: Between 96°W and 90°W, southern hemisphere between 80°S and equator, onshore and offshore. Ecuador - Galapagos

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32715')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32715')
```

WGS 84 / UTM zone 16N

Extent: Between 90°W and 84°W, northern hemisphere between equator and 84°N, onshore and offshore. Belize. Canada - Manitoba; Nunavut; Ontario. Costa Rica. Cuba. Ecuador - Galapagos. El Salvador. Guatemala. Honduras. Mexico. Nicaragua. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32616')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32616')
```

WGS 84 / UTM zone 16S

Extent: Between 90°W and 84°W, southern hemisphere between 80°S and equator, onshore and offshore. Ecuador - Galapagos

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32716')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32716')
```

WGS 84 / UTM zone 17N

Extent: Between 84°W and 78°W, northern hemisphere between equator and 84°N, onshore and offshore. Bahamas. Ecuador - north of equator. Canada - Nunavut; Ontario; Quebec. Cayman Islands. Colombia. Costa Rica. Cuba. Jamaica. Nicaragua. Panama. United States (USA)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32617')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32617')
```

WGS 84 / UTM zone 17S

Extent: Between 84°W and 78°W, southern hemisphere between 80°S and equator, onshore and offshore. Ecuador. Peru

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32717')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32717')
```

WGS 84 / UTM zone 18N

Extent: Between 78°W and 72°W, northern hemisphere between equator and 84°N, onshore and offshore. Bahamas. Canada - Nunavut; Ontario; Quebec. Colombia. Cuba. Ecuador. Greenland. Haiti. Jamaica. Panama. Turks and Caicos Islands. United States (USA). Venezuela

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32618')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32618')
```

WGS 84 / UTM zone 18S

Extent: Between 78°W and 72°W, southern hemisphere between 80°S and equator, onshore and offshore. Argentina. Brazil. Chile. Colombia. Ecuador. Peru

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32718')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32718')
```

WGS 84 / UTM zone 19N

Extent: Between 72°W and 66°W, northern hemisphere between equator and 84°N, onshore and offshore. Aruba. Bahamas. Brazil. Canada - New Brunswick (NB); Labrador; Nunavut; Nova Scotia (NS); Quebec. Colombia. Dominican Republic. Greenland. Netherlands Antilles. Puerto Rico. Turks and Caicos Islands. United States. Venezuela

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32619')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32619')
```

WGS 84 / UTM zone 19S

Extent: Between 72°W and 66°W, southern hemisphere between 80°S and equator, onshore and offshore. Argentina. Bolivia. Brazil. Chile. Colombia. Peru

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32719')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32719')
```

WGS 84 / UTM zone 1N

Extent: Between 180°W and 174°W, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation; United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32601')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32601')
```

WGS 84 / UTM zone 1S

Extent: Between 180°W and 174°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32701')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32701')
```

WGS 84 / UTM zone 20N

Extent: Between 66°W and 60°W, northern hemisphere between equator and 84°N, onshore and offshore. Anguilla. Antigua and Barbuda. Bermuda. Brazil. British Virgin Islands. Canada - New Brunswick; Labrador; Nova Scotia; Nunavut; Prince Edward Island; Quebec. Dominica. Greenland. Grenada. Guadeloupe. Guyana. Martinique. Montserrat. Puerto Rico. St Kitts and Nevis. St Barthelemy. St Lucia. St Maarten, St Martin. St Vincent and the Grenadines. Trinidad and Tobago. Venezuela. US Virgin Islands

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32620')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32620')
```

WGS 84 / UTM zone 20S

Extent: Between 66°W and 60°W, southern hemisphere between 80°S and equator, onshore and offshore. Argentina. Bolivia. Brazil. Falkland Islands (Malvinas). Paraguay

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32720')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32720')
```

WGS 84 / UTM zone 21N

Extent: Between 60°W and 54°W, northern hemisphere between equator and 84°N, onshore and offshore. Barbados. Brazil. Canada - Newfoundland and Labrador, Quebec. French Guiana. Greenland. Guyana. St Pierre and Miquelon. Suriname

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32621')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32621')
```

WGS 84 / UTM zone 21S

Extent: Between 60°W and 54°W, southern hemisphere between 80°S and equator, onshore and offshore. Argentina. Bolivia. Brazil. Falkland Islands (Malvinas). Paraguay. Uruguay

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32721')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32721')
```

WGS 84 / UTM zone 22N

Extent: Between 54°W and 48°W, northern hemisphere between equator and 84°N, onshore and offshore. Brazil. Canada - Newfoundland. French Guiana. Greenland

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32622')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32622')
```

WGS 84 / UTM zone 22S

Extent: Between 54°W and 48°W, southern hemisphere between 80°S and equator, onshore and offshore. Brazil. Uruguay

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32722')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32722')
```

WGS 84 / UTM zone 23N

Extent: Between 48°W and 42°W, northern hemisphere between equator and 84°N, onshore and offshore. Greenland

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32623')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32623')
```

WGS 84 / UTM zone 23S

Extent: Between 48°W and 42°W, southern hemisphere between 80°S and equator, onshore and offshore. Brazil

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32723')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32723')
```

WGS 84 / UTM zone 24N

Extent: Between 42°W and 36°W, northern hemisphere between equator and 84°N, onshore and offshore. Greenland

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32624')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32624')
```

WGS 84 / UTM zone 24S

Extent: Between 42°W and 36°W, southern hemisphere between 80°S and equator, onshore and offshore. Brazil. South Georgia and the South Sandwich Islands

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32724')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32724')
```

WGS 84 / UTM zone 25N

Extent: Between 36°W and 30°W, northern hemisphere between equator and 84°N, onshore and offshore. Greenland

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32625')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32625')
```

WGS 84 / UTM zone 25S

Extent: Between 36°W and 30°W, southern hemisphere between 80°S and equator, onshore and offshore. Brazil

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32725')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32725')
```

WGS 84 / UTM zone 26N

Extent: Between 30°W and 24°W, northern hemisphere between equator and 84°N, onshore and offshore. Greenland. Iceland

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32626')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32626')
```

WGS 84 / UTM zone 26S

Extent: Between 30°W and 24°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32726')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32726')
```

WGS 84 / UTM zone 27N

Extent: Between 24°W and 18°W, northern hemisphere between equator and 84°N, onshore and offshore. Greenland. Iceland

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32627')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32627')
```

WGS 84 / UTM zone 27S

Extent: Between 24°W and 18°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32727')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32727')
```

WGS 84 / UTM zone 28N

Extent: Between 18°W and 12°W, northern hemisphere between equator and 84°N, onshore and offshore. Gambia. Greenland. Guinea. Guinea-Bissau. Iceland. Ireland - offshore Porcupine Basin. Mauritania. Morocco. Senegal. Sierra Leone. Western Sahara

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32628')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32628')
```

WGS 84 / UTM zone 28S

Extent: Between 18°W and 12°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32728')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32728')
```

WGS 84 / UTM zone 29N

Extent: Between 12°W and 6°W, northern hemisphere between equator and 84°N, onshore and offshore. Algeria. Côte D'Ivoire (Ivory Coast). Faroe Islands. Guinea. Ireland. Jan Mayen. Liberia, Mali. Mauritania. Morocco. Portugal. Sierra Leone. Spain. United Kingdom (UK). Western Sahara

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32629')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32629')
```

WGS 84 / UTM zone 29S

Extent: Between 12°W and 6°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32729')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32729')
```

WGS 84 / UTM zone 2N

Extent: Between 174°W and 168°W, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation; United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32602')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32602')
```

WGS 84 / UTM zone 2S

Extent: Between 174°W and 168°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32702')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32702')
```

WGS 84 / UTM zone 30N

Extent: Between 6°W and 0°W, northern hemisphere between equator and 84°N, onshore and offshore. Algeria. Burkina Faso. Côte' Ivoire (Ivory Coast). Faroe Islands - offshore. France. Ghana. Gibraltar. Ireland - offshore Irish Sea. Mali. Mauritania. Morocco. Spain. United Kingdom (UK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32630')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32630')
```

WGS 84 / UTM zone 30S

Extent: Between 6°W and 0°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32730')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32730')
```

WGS 84 / UTM zone 31N

Extent: Between 0°E and 6°E, northern hemisphere between equator and 84°N, onshore and offshore. Algeria. Andorra. Belgium. Benin. Burkina Faso. Denmark - North Sea. France. Germany - North Sea. Ghana. Luxembourg. Mali. Netherlands. Niger. Nigeria. Norway. Spain. Togo. United Kingdom (UK) - North Sea

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32631')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32631')
```

WGS 84 / UTM zone 31S

Extent: Between 0°E and 6°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32731')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32731')
```

WGS 84 / UTM zone 32N

Extent: Between 6°E and 12°E, northern hemisphere between equator and 84°N, onshore and offshore. Algeria. Austria. Cameroon. Denmark. Equatorial Guinea. France. Gabon. Germany. Italy. Libya. Liechtenstein. Monaco. Netherlands. Niger. Nigeria. Norway. Sao Tome and Principe. Svalbard. Sweden. Switzerland. Tunisia. Vatican City State

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32632')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32632')
```

WGS 84 / UTM zone 32S

Extent: Between 6°E and 12°E, southern hemisphere between 80°S and equator, onshore and offshore. Angola. Congo. Gabon. Namibia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32732')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32732')
```

WGS 84 / UTM zone 33N

Extent: Between 12°E and 18°E, northern hemisphere between equator and 84°N, onshore and offshore. Austria. Bosnia and Herzegovina. Cameroon. Central African Republic. Chad. Congo. Croatia. Czechia. Democratic Republic of the Congo (Zaire). Gabon. Germany. Hungary. Italy. Libya. Malta. Niger. Nigeria. Norway. Poland. San Marino. Slovakia. Slovenia. Svalbard. Sweden. Vatican City State

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32633')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32633')
```

WGS 84 / UTM zone 33S

Extent: Between 12°E and 18°E, southern hemisphere between 80°S and equator, onshore and offshore. Angola. Congo. Democratic Republic of the Congo (Zaire). Gabon. Namibia. South Africa

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32733')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32733')
```

WGS 84 / UTM zone 34N

Extent: Between 18°E and 24°E, northern hemisphere between equator and 84°N, onshore and offshore. Albania. Belarus. Bosnia and Herzegovina. Bulgaria. Central African Republic. Chad. Croatia. Democratic Republic of the Congo (Zaire). Estonia. Finland. Greece. Hungary. Italy. Kosovo. Latvia. Libya. Lithuania. Montenegro. North Macedonia. Norway, including Svalbard and Bjornoys. Poland. Romania. Russian Federation. Serbia. Slovakia. Sudan. Sweden. Ukraine

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32634')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32634')
```

WGS 84 / UTM zone 34S

Extent: Between 18°E and 24°E, southern hemisphere between 80°S and equator, onshore and offshore. Angola. Botswana. Democratic Republic of the Congo (Zaire). Namibia. South Africa. Zambia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32734')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32734')
```

WGS 84 / UTM zone 35N

Extent: Between 24°E and 30°E, northern hemisphere between equator and 84°N, onshore and offshore. Belarus. Bulgaria. Central African Republic. Democratic Republic of the Congo (Zaire). Egypt. Estonia. Finland. Greece. Latvia. Lesotho. Libya. Lithuania. Moldova. Norway. Poland. Romania. Russian Federation. Sudan. Svalbard. Türkiye (Turkey). Uganda. Ukraine

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32635')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32635')
```

In Moldova used with axes reversed - use CRS code 4037.

WGS 84 / UTM zone 35S

Extent: Between 24°E and 30°E, southern hemisphere between 80°S and equator, onshore and offshore. Botswana. Burundi. Democratic Republic of the Congo (Zaire). Rwanda. South Africa. Tanzania. Uganda. Zambia. Zimbabwe

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32735')
```

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```
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32735')
```

WGS 84 / UTM zone 36N

Extent: Between 30°E and 36°E, northern hemisphere between equator and 84°N, onshore and offshore. Belarus. Cyprus. Egypt. Ethiopia. Finland. Israel. Jordan. Kenya. Lebanon. Moldova. Norway. Russian Federation. Saudi Arabia. Sudan. Syria. Türkiye (Turkey). Uganda. Ukraine

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32636')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32636')
```

In Moldova used with axes reversed - use CRS code 4038.

WGS 84 / UTM zone 36S

Extent: Between 30°E and 36°E, southern hemisphere between 80°S and equator, onshore and offshore. Burundi. Eswatini (Swaziland). Kenya. Malawi. Mozambique. Rwanda. South Africa. Tanzania. Uganda. Zambia. Zimbabwe

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32736')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32736')
```

WGS 84 / UTM zone 37N

Extent: Between 36°E and 42°E, northern hemisphere between equator and 84°N, onshore and offshore. Djibouti. Egypt. Eritrea. Ethiopia. Georgia. Iraq. Jordan. Kenya. Lebanon. Russian Federation. Saudi Arabia. Somalia. Sudan. Syria. Türkiye (Turkey). Ukraine

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32637')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32637')
```

WGS 84 / UTM zone 37S

Extent: Between 36°E and 42°E, southern hemisphere between 80°S and equator, onshore and offshore. Kenya. Mozambique. Tanzania

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32737')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32737')
```

WGS 84 / UTM zone 38N

Extent: Between 42°E and 48°E, northern hemisphere between equator and 84°N, onshore and offshore. Armenia. Azerbaijan. Djibouti. Eritrea. Ethiopia. Georgia. Islamic Republic of Iran. Iraq. kazakhstan. Kuwait. Russian Federation. Saudi Arabia. Somalia. Türkiye (Turkey). Yemen

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32638')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32638')
```

WGS 84 / UTM zone 38S

Extent: Between 42°E and 48°E, southern hemisphere between 80°S and equator, onshore and offshore. Madagascar

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32738')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32738')
```

WGS 84 / UTM zone 39N

Extent: Between 48°E and 54°E, northern hemisphere between equator and 84°N, onshore and offshore. Azerbaijan. Bahrain. Islamic Republic of Iran. Iraq. Kazakhstan. Kuwait. Oman. Qatar. Russian Federation. Saudi Arabia. Somalia. Turkmenistan. United Arab Emirates. Yemen

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32639')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32639')
```

WGS 84 / UTM zone 39S

Extent: Between 48°E and 54°E, southern hemisphere between 80°S and equator, onshore and offshore. Madagascar

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32739')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32739')
```

WGS 84 / UTM zone 3N

Extent: Between 168°W and 162°W, northern hemisphere between equator and 84°N, onshore and offshore. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32603')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32603')
```

WGS 84 / UTM zone 3S

Extent: Between 168°W and 162°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32703')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32703')
```

WGS 84 / UTM zone 40N

Extent: Between 54°E and 60°E, northern hemisphere between equator and 84°N, onshore and offshore. Islamic Republic of Iran. kazakhstan. Oman. Russian Federation. Saudi Arabia. Turkmenistan. United Arab Emirates. Uzbekistan

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32640')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32640')
```

WGS 84 / UTM zone 40S

Extent: Between 54°E and 60°E, southern hemisphere between 80°S and equator, onshore and offshore. Seychelles

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32740')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32740')
```

WGS 84 / UTM zone 41N

Extent: Between 60°E and 66°E, northern hemisphere between equator and 84°N, onshore and offshore. Afghanistan. Islamic Republic of Iran. kazakhstan. Pakistan. Russian Federation. Turkmenistan. Uzbekistan

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32641')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32641')
```

WGS 84 / UTM zone 41S

Extent: Between 60°E and 66°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32741')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32741')
```

WGS 84 / UTM zone 42N

Extent: Between 66°E and 72°E, northern hemisphere between equator and 84°N, onshore and offshore. Afghanistan. India. Kazakhstan. Kyrgyzstan. Pakistan. Russian Federation. Tajikistan. Uzbekistan

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32642')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32642')
```

WGS 84 / UTM zone 42S

Extent: Between 66°E and 72°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32742')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32742')
```

WGS 84 / UTM zone 43N

Extent: Between 72°E and 78°E, northern hemisphere between equator and 84°N, onshore and offshore. China. India. Kazakhstan. Kyrgyzstan. Maldives. Pakistan. Russian Federation. Tajikistan

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32643')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32643')
```

WGS 84 / UTM zone 43S

Extent: Between 72°E and 78°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32743')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32743')
```

WGS 84 / UTM zone 44N

Extent: Between 78°E and 84°E, northern hemisphere between equator and 84°N, onshore and offshore. China. India. Kazakhstan. Kyrgyzstan. Nepal. Russian Federation. Sri Lanka

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32644')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32644')
```

WGS 84 / UTM zone 44S

Extent: Between 78°E and 84°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32744')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32744')
```

WGS 84 / UTM zone 45N

Extent: Between 84°E and 90°E, northern hemisphere between equator and 84°N, onshore and offshore. Bangladesh. Bhutan. China. India. Kazakhstan. Mongolia. Nepal. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32645')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32645')
```

WGS 84 / UTM zone 45S

Extent: Between 84°E and 90°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32745')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32745')
```

WGS 84 / UTM zone 46N

Extent: Between 90°E and 96°E, northern hemisphere between equator and 84°N, onshore and offshore. Bangladesh. Bhutan. China. Indonesia. Mongolia. Myanmar (Burma). Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32646')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32646')
```

WGS 84 / UTM zone 46S

Extent: Between 90°E and 96°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32746')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32746')
```

WGS 84 / UTM zone 47N

Extent: Between 96°E and 102°E, northern hemisphere between equator and 84°N, onshore and offshore. China. Indonesia. Laos. Malaysia - West Malaysia. Mongolia. Myanmar (Burma). Russian Federation. Thailand

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32647')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32647')
```

WGS 84 / UTM zone 47S

Extent: Between 96°E and 102°E, southern hemisphere between 80°S and equator, onshore and offshore. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32747')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32747')
```

WGS 84 / UTM zone 48N

Extent: Between 102°E and 108°E, northern hemisphere between equator and 84°N, onshore and offshore. Cambodia. China. Indonesia. Laos. Malaysia - West Malaysia. Mongolia. Russian Federation. Singapore. Thailand. Vietnam

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32648')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32648')
```

WGS 84 / UTM zone 48S

Extent: Between 102°E and 108°E, southern hemisphere between 80°S and equator, onshore and offshore. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32748')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32748')
```

WGS 84 / UTM zone 49N

Extent: Between 108°E and 114°E, northern hemisphere between equator and 84°N, onshore and offshore. China. Hong Kong. Indonesia. Macao. Malaysia - East Malaysia - Sarawak. Mongolia. Russian Federation. Vietnam

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32649')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32649')
```

WGS 84 / UTM zone 49S

Extent: Between 108°E and 114°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32749')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32749')
```

WGS 84 / UTM zone 4N

Extent: Between 162°W and 156°W, northern hemisphere between equator and 84°N, onshore and offshore. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32604')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32604')
```

WGS 84 / UTM zone 4S

Extent: Between 162°W and 156°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32704')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32704')
```

WGS 84 / UTM zone 50N

Extent: Between 114°E and 120°E, northern hemisphere between equator and 84°N, onshore and offshore. Brunei. China. Hong Kong. Indonesia. Malaysia - East Malaysia - Sarawak. Mongolia. Philippines. Russian Federation. Taiwan

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32650')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32650')
```

WGS 84 / UTM zone 50S

Extent: Between 114°E and 120°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32750')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32750')
```

WGS 84 / UTM zone 51N

Extent: Between 120°E and 126°E, northern hemisphere between equator and 84°N, onshore and offshore. China. Indonesia. Japan. North Korea. Philippines. Russian Federation. South Korea. Taiwan

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32651')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32651')
```

WGS 84 / UTM zone 51S

Extent: Between 120°E and 126°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. East Timor. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32751')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32751')
```

WGS 84 / UTM zone 52N

Extent: Between 126°E and 132°E, northern hemisphere between equator and 84°N, onshore and offshore. China. Indonesia. Japan. North Korea. Russian Federation. South Korea

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32652')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32652')
```

WGS 84 / UTM zone 52S

Extent: Between 126°E and 132°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. East Timor. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32752')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32752')
```

WGS 84 / UTM zone 53N

Extent: Between 132°E and 138°E, northern hemisphere between equator and 84°N, onshore and offshore. China. Japan. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32653')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32653')
```

WGS 84 / UTM zone 53S

Extent: Between 132°E and 138°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. Indonesia

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32753')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32753')
```

WGS 84 / UTM zone 54N

Extent: Between 138°E and 144°E, northern hemisphere between equator and 84°N, onshore and offshore. Japan. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32654')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32654')
```

WGS 84 / UTM zone 54S

Extent: Between 138°E and 144°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. Indonesia. Papua New Guinea

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32754')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32754')
```

WGS 84 / UTM zone 55N

Extent: Between 144°E and 150°E, northern hemisphere between equator and 84°N, onshore and offshore. Japan. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32655')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32655')
```

WGS 84 / UTM zone 55S

Extent: Between 144°E and 150°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. Papua New Guinea

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32755')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32755')
```

WGS 84 / UTM zone 56N

Extent: Between 150°E and 156°E, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32656')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32656')
```

WGS 84 / UTM zone 56S

Extent: Between 150°E and 156°E, southern hemisphere between 80°S and equator, onshore and offshore. Australia. Papua New Guinea

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32756')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32756')
```

WGS 84 / UTM zone 57N

Extent: Between 156°E and 162°E, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32657')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32657')
```

WGS 84 / UTM zone 57S

Extent: Between 156°E and 162°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32757')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32757')
```

WGS 84 / UTM zone 58N

Extent: Between 162°E and 168°E, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32658')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32658')
```

WGS 84 / UTM zone 58S

Extent: Between 162°E and 168°E, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32758')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32758')
```

WGS 84 / UTM zone 59N

Extent: Between 168°E and 174°E, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation; United States (USA) - Alaska

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32659')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32659')
```

WGS 84 / UTM zone 59S

Extent: Between 168°E and 174°E, southern hemisphere between 80°S and equator, onshore and offshore. New Zealand

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32759')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32759')
```

WGS 84 / UTM zone 5N

Extent: Between 156°W and 150°W, northern hemisphere between equator and 84°N, onshore and offshore. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32605')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32605')
```

WGS 84 / UTM zone 5S

Extent: Between 156°W and 150°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32705')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32705')
```

WGS 84 / UTM zone 60N

Extent: Between 174°E and 180°E, northern hemisphere between equator and 84°N, onshore and offshore. Russian Federation; United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32660')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32660')
```

WGS 84 / UTM zone 60S

Extent: Between 174°E and 180°E, southern hemisphere between 80°S and equator, onshore and offshore. New Zealand

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32760')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32760')
```

WGS 84 / UTM zone 6N

Extent: Between 150°W and 144°W, northern hemisphere between equator and 84°N, onshore and offshore. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32606')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32606')
```

WGS 84 / UTM zone 6S

Extent: Between 150°W and 144°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32706')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32706')
```

WGS 84 / UTM zone 7N

Extent: Between 144°W and 138°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - British Columbia (BC); Yukon. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32607')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32607')
```

WGS 84 / UTM zone 7S

Extent: Between 144°W and 138°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32707')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32707')
```

WGS 84 / UTM zone 8N

Extent: Between 138°W and 132°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - British Columbia (BC); Northwest Territiories (NWT); Yukon. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32608')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32608')
```

WGS 84 / UTM zone 8S

Extent: Between 138°W and 132°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32708')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32708')
```

WGS 84 / UTM zone 9N

Extent: Between 132°W and 126°W, northern hemisphere between equator and 84°N, onshore and offshore. Canada - British Columbia (BC); NorthW Territories (NWT); Yukon. United States (USA) - Alaska (AK)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32609')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32609')
```

WGS 84 / UTM zone 9S

Extent: Between 132°W and 126°W, southern hemisphere between 80°S and equator, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9S)
Projected::fromSRID('urn:ogc:def:crs:EPSG::32709')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9S)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::32709')
```

WGS 84 / Uttar Pradesh

Extent: India - Uttar Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTTAR_PRADESH)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7775')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTTAR_PRADESH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7775')
```

WGS 84 / Uttaranchal

Extent: India - Uttarakhand (Uttaranchal)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTTARANCHAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7776')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_UTTARANCHAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7776')
```

WGS 84 / West Bengal

Extent: India - West Bengal

```
Projected::fromSRID(Projected::EPSG_WGS_84_WEST_BENGAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::7787')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_WEST_BENGAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7787')
```

WGS 84 / World Equidistant Cylindrical

Extent: World

```
Projected::fromSRID(Projected::EPSG_WGS_84_WORLD_EQUIDISTANT_CYLINDRICAL)
Projected::fromSRID('urn:ogc:def:crs:EPSG::4087')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_WORLD_EQUIDISTANT_CYLINDRICAL)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4087')
```

Origin is at intersection of equator and Greenwich meridian. Note: this is not the same as plotting unrectified graticule coordinates on a computer display using the so-called pseudo Plate Carrée method: here the grid units are metres.

WGS 84 / World Mercator

Extent: World between 80°S and 84°N

```
Projected::fromSRID(Projected::EPSG_WGS_84_WORLD_MERCATOR)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3395')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_WGS_84_WORLD_MERCATOR)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3395')
```

Euro-centric view of world excluding polar areas.

Xian 1980 / 3-degree Gauss-Kruger CM 102E

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_102E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2379')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪102E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2379')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 34 (code 2358).

Xian 1980 / 3-degree Gauss-Kruger CM 105E

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2380')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2380')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 35 (code 2359).

Xian 1980 / 3-degree Gauss-Kruger CM 108E

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_108E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2381')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪108E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2381')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 36 (code 2360).

Xian 1980 / 3-degree Gauss-Kruger CM 111E

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2382')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2382')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 37 (code 2361).

Xian 1980 / 3-degree Gauss-Kruger CM 114E

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_114E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2383')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪114E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2383')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 38 (code 2362).

Xian 1980 / 3-degree Gauss-Kruger CM 117E

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2384')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2384')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 39 (code 2363).

Xian 1980 / 3-degree Gauss-Kruger CM 120E

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_120E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2385')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪120E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2385')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 40 (code 2364).

Xian 1980 / 3-degree Gauss-Kruger CM 123E

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2386')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2386')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 41 (code 2365).

Xian 1980 / 3-degree Gauss-Kruger CM 126E

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_126E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2387')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪126E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2387')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 42 (code 2366).

Xian 1980 / 3-degree Gauss-Kruger CM 129E

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2388')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2388')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 43 (code 2367).

Xian 1980 / 3-degree Gauss-Kruger CM 132E

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_132E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2389')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪132E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2389')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 44 (code 2368).

Xian 1980 / 3-degree Gauss-Kruger CM 135E

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2390')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2390')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 45 (code 2369).

Xian 1980 / 3-degree Gauss-Kruger CM 75E

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2370')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2370')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 25 (code 2349).

Xian 1980 / 3-degree Gauss-Kruger CM 78E

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_78E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2371')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪78E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2371')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 26 (code 2350).

Xian 1980 / 3-degree Gauss-Kruger CM 81E

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2372')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2372')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 27 (code 2351).

Xian 1980 / 3-degree Gauss-Kruger CM 84E

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_84E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2373')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪84E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2373')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 28 (code 2352).

Xian 1980 / 3-degree Gauss-Kruger CM 87E

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2374')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2374')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 29 (code 2353).

Xian 1980 / 3-degree Gauss-Kruger CM 90E

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_90E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2375')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪90E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2375')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 30 (code 2354).

Xian 1980 / 3-degree Gauss-Kruger CM 93E

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2376')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2376')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 31 (code 2355).

Xian 1980 / 3-degree Gauss-Kruger CM 96E

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_96E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2377')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪96E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2377')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 32 (code 2356).

Xian 1980 / 3-degree Gauss-Kruger CM 99E

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2378')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_
↪99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2378')
```

Truncated form of Xian 1980 / 3-degree Gauss-Kruger zone 33 (code 2357).

Xian 1980 / 3-degree Gauss-Kruger zone 25

Extent: China - west of 76°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_25)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2349')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪25)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2349')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 75E (code 2370).

Xian 1980 / 3-degree Gauss-Kruger zone 26

Extent: China - between 76°30'E and 79°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_26)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2350')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪26)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2350')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 78E (code 2371).

Xian 1980 / 3-degree Gauss-Kruger zone 27

Extent: China - between 79°30'E and 82°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_27)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2351')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪27)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2351')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 81E (code 2372).

Xian 1980 / 3-degree Gauss-Kruger zone 28

Extent: China - between 82°30'E and 85°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_28)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2352')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪28)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2352')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 84E (code 2373).

Xian 1980 / 3-degree Gauss-Kruger zone 29

Extent: China - between 85°30'E and 88°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_29)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2353')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪29)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2353')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 87E (code 2374).

Xian 1980 / 3-degree Gauss-Kruger zone 30

Extent: China - between 88°30'E and 91°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_30)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2354')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪30)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2354')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 90E (code 2375).

Xian 1980 / 3-degree Gauss-Kruger zone 31

Extent: China - between 91°30'E and 94°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_31)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2355')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪31)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2355')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 93E (code 2376).

Xian 1980 / 3-degree Gauss-Kruger zone 32

Extent: China - between 94°30'E and 97°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_32)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2356')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪32)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2356')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 96E (code 2377).

Xian 1980 / 3-degree Gauss-Kruger zone 33

Extent: China - between 97°30'E and 100°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_33)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2357')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪33)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2357')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 99E (code 2378).

Xian 1980 / 3-degree Gauss-Kruger zone 34

Extent: China - between 100°30'E and 103°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_34)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2358')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪34)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2358')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 102E (code 2379).

Xian 1980 / 3-degree Gauss-Kruger zone 35

Extent: China - between 103°30'E and 106°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_35)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2359')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪35)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2359')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 105E (code 2380).

Xian 1980 / 3-degree Gauss-Kruger zone 36

Extent: China - onshore between 106°30'E and 109°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_36)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2360')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2360')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 108E (code 2381).

Xian 1980 / 3-degree Gauss-Kruger zone 37

Extent: China - onshore between 109°30'E and 112°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_37)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2361')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪37)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2361')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 111E (code 2382).

Xian 1980 / 3-degree Gauss-Kruger zone 38

Extent: China - onshore between 112°30'E and 115°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_38)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2362')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪38)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2362')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 114E (code 2383).

Xian 1980 / 3-degree Gauss-Kruger zone 39

Extent: China - onshore between 115°30'E and 118°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_39)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2363')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪39)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2363')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 117E (code 2384).

Xian 1980 / 3-degree Gauss-Kruger zone 40

Extent: China - onshore between 118°30'E and 121°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_40)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2364')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪40)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2364')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 123E (code 2385).

Xian 1980 / 3-degree Gauss-Kruger zone 41

Extent: China - onshore between 121°30'E and 124°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_41)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2365')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪41)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2365')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 123E (code 2386).

Xian 1980 / 3-degree Gauss-Kruger zone 42

Extent: China - onshore between 124°30'E and 127°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_42)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2366')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪42)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2366')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 126E (code 2387).

Xian 1980 / 3-degree Gauss-Kruger zone 43

Extent: China - between 127°30'E and 130°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_43)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2367')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪43)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2367')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 129E (code 2388).

Xian 1980 / 3-degree Gauss-Kruger zone 44

Extent: China - between 130°30'E and 133°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_44)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2368')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪44)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2368')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 132E (code 2389).

Xian 1980 / 3-degree Gauss-Kruger zone 45

Extent: China - east of 133°30'E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_45)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2369')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_
↪45)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2369')
```

Also found with truncated false easting - see Xian 1980 / 3-degree Gauss-Kruger CM 135E (code 2390).

Xian 1980 / Gauss-Kruger CM 105E

Extent: China - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_105E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2343')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_105E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2343')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 18 (code 2332).

Xian 1980 / Gauss-Kruger CM 111E

Extent: China - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_111E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2344')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_111E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2344')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 19 (code 2333).

Xian 1980 / Gauss-Kruger CM 117E

Extent: China - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_117E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2345')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_117E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2345')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 20 (code 2334).

Xian 1980 / Gauss-Kruger CM 123E

Extent: China - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_123E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2346')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_123E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2346')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 21 (code 2335).

Xian 1980 / Gauss-Kruger CM 129E

Extent: China - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_129E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2347')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_129E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2347')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 22 (code 2336).

Xian 1980 / Gauss-Kruger CM 135E

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_135E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2348')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_135E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2348')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 23 (code 2337).

Xian 1980 / Gauss-Kruger CM 75E

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_75E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2338')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_75E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2338')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 13 (code 2327).

Xian 1980 / Gauss-Kruger CM 81E

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_81E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2339')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_81E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2339')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 14 (code 2328).

Xian 1980 / Gauss-Kruger CM 87E

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_87E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2340')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_87E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2340')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 15 (code 2329).

Xian 1980 / Gauss-Kruger CM 93E

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_93E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2341')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_93E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2341')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 16 (code 2330).

Xian 1980 / Gauss-Kruger CM 99E

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_99E)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2342')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_99E)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2342')
```

Truncated form of Xian 1980 / [6-degree] Gauss-Kruger zone 17 (code 2331).

Xian 1980 / Gauss-Kruger zone 13

Extent: China - west of 78°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_13)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2327')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_13)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2327')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 75E (code 2338).

Xian 1980 / Gauss-Kruger zone 14

Extent: China - between 78°E and 84°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_14)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2328')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_14)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2328')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 81E (code 2339).

Xian 1980 / Gauss-Kruger zone 15

Extent: China - between 84°E and 90°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_15)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2329')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_15)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2329')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 87E (code 2340).

Xian 1980 / Gauss-Kruger zone 16

Extent: China - between 90°E and 96°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_16)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2330')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_16)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2330')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 93E (code 2341).

Xian 1980 / Gauss-Kruger zone 17

Extent: China - between 96°E and 102°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_17)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2331')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_17)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2331')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 99E (code 2342).

Xian 1980 / Gauss-Kruger zone 18

Extent: China - onshore between 102°E and 108°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_18)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2332')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_18)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2332')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 105E (code 2343).

Xian 1980 / Gauss-Kruger zone 19

Extent: China - onshore between 108°E and 114°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_19)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2333')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_19)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2333')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 111E (code 2344).

Xian 1980 / Gauss-Kruger zone 20

Extent: China - onshore between 114°E and 120°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_20)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2334')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_20)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2334')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 117E (code 2345).

Xian 1980 / Gauss-Kruger zone 21

Extent: China - onshore between 120°E and 126°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_21)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2335')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_21)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2335')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 123E (code 2346).

Xian 1980 / Gauss-Kruger zone 22

Extent: China - onshore between 126°E and 132°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_22)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2336')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_22)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2336')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 129E (code 2347).

Xian 1980 / Gauss-Kruger zone 23

Extent: China - east of 132°E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_23)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2337')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_23)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2337')
```

Also found with truncated false easting - see Xian 1980 / [6-degree] Gauss-Kruger CM 135E (code 2348).

Yemen NGN96 / UTM zone 37N

Extent: Yemen - west of 42°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_37N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5836')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_37N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5836')
```

Yemen NGN96 / UTM zone 38N

Extent: Yemen - between 42°E and 48°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_38N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2089')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_38N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2089')
```

Yemen NGN96 / UTM zone 39N

Extent: Yemen - between 48°E and 54°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_39N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::2090')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_39N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::2090')
```

Yemen NGN96 / UTM zone 40N

Extent: Yemen - east of 54°E, onshore and offshore

```
Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_40N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::5837')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_40N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5837')
```

Yoff / UTM zone 28N

Extent: Senegal - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_YOFF_UTM_ZONE_28N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31028')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_YOFF_UTM_ZONE_28N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31028')
```

Zanderij / Suriname Old TM

Extent: Suriname - onshore

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_OLD_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31170')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_OLD_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31170')
```

Introduced in 1975. Replaced by Zanderij / Suriname TM in 1979.

Zanderij / Suriname TM

Extent: Suriname - onshore

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_TM)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31171')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_TM)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31171')
```

Replaced Zanderij / Suriname Old TM in 1979.

Zanderij / TM 54 NW

Extent: Suriname - offshore

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_TM_54_NW)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31154')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ZANDERIJ_TM_54_NW)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31154')
```

Zanderij / UTM zone 21N

Extent: Suriname - onshore and offshore

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_UTM_ZONE_21N)
Projected::fromSRID('urn:ogc:def:crs:EPSG::31121')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_ZANDERIJ_UTM_ZONE_21N)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::31121')
```

Fk89 / Faroe Lambert FK89

Extent: Faroe Islands - onshore

```
Projected::fromSRID(Projected::EPSG_FK89_FAROE_LAMBERT_FK89)
Projected::fromSRID('urn:ogc:def:crs:EPSG::3173')
CoordinateReferenceSystem::fromSRID(Projected::EPSG_FK89_FAROE_LAMBERT_FK89)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3173')
```

Replaces FD54 / Faroe Lambert (fk54) (CRS code 3144) for cadastral survey.

1.6.5 Vertical

Tip: You can access the list of supported vertical CRSs at runtime using `Vertical::getSupportedSRIDs()` or `Vertical::getSupportedSRIDsWithHelp()`

AHD (Tasmania) height

Extent: Australia - Tasmania mainland - onshore

```
Vertical::fromSRID(Vertical::EPSG_AHD_TASMANIA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5712')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_AHD_TASMANIA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5712')
```

AHD height

Extent: Australia - Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Western Australia and Victoria - onshore. Christmas Island - onshore. Cocos and Keeling Islands - onshore

```
Vertical::fromSRID(Vertical::EPSG_AHD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5711')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_AHD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5711')
```

Appropriate for cadastral and local engineering survey including construction or mining. Only suitable onshore. AVWS height (CRS code 9458) is more accurate than AHD height for applications over distances greater than 10 km and also extends offshore.

AIOC95 depth

Extent: Azerbaijan - Caspian offshore and onshore Sangachal terminal

```
Vertical::fromSRID(Vertical::EPSG_AIOC95_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5734')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_AIOC95_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5734')
```

Also used by AIOC and BP as a height system for engineering survey at Sangachal terminal (see CRS code 5797). AIOC95 datum is 1.7m above Caspian datum and 26.3m below Baltic datum.

AIOC95 height

Extent: Azerbaijan - Caspian offshore and onshore Sangachal terminal

```
Vertical::fromSRID(Vertical::EPSG_AIOC95_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5797')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_AIOC95_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5797')
```

AIOC95 datum is 1.7m above Caspian datum and 26.3m below Baltic datum. Also used by AIOC and BP as the depth system for all offshore Azerbaijan activities (see CRS code 5734).

ASVD02 height

Extent: American Samoa - Tutuila island

```
Vertical::fromSRID(Vertical::EPSG_ASVD02_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6643')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ASVD02_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6643')
```

Replaces Tutuila 1962 height (CRS code 6638). Replaced by Pago Pago 2020 height after ASVD02 benchmarks destroyed by earthquake activity.

AVWS height

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_AVWS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9458')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_AVWS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9458')
```

For cadastral and local engineering applications see AHD height (CRS code 5711). AVWS is more accurate than AHD for applications over distances greater than 10 km.

Alboran height

Extent: Spain - Alboran island - onshore

```
Vertical::fromSRID(Vertical::EPSG_ALBORAN_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10353')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ALBORAN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10353')
```

Alicante height

Extent: Gibraltar - onshore; Spain - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_ALICANTE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5782')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ALICANTE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5782')
```

Antalya height

Extent: Türkiye (Turkey) - onshore

```
Vertical::fromSRID(Vertical::EPSG_ANTALYA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5775')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ANTALYA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5775')
```

Auckland 1946 height

Extent: New Zealand - North Island - Auckland vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_AUCKLAND_1946_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5759')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_AUCKLAND_1946_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5759')
```

BGS2005 height

Extent: Bulgaria - onshore

```
Vertical::fromSRID(Vertical::EPSG_BGS2005_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9669')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BGS2005_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9669')
```

Adopted 2010-07-29 as official Bulgarian reference datum through decree 153, replacing Baltic 1982 system (CRS code 5786).

BI height

Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland) and Northern Ireland. Ireland onshore. Isle of Man onshore

```
Vertical::fromSRID(Vertical::EPSG_BI_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9451')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BI_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9451')
```

Baltic 1957 depth

Extent: Czechia; Slovakia

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8358')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BALTIC_1957_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8358')
```

Baltic 1957 height

Extent: Czechia; Slovakia

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8357')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8357')
```

Baltic 1977 depth

Extent: Armenia; Azerbaijan; Belarus; Estonia - onshore; Georgia - onshore; Kazakhstan; Kyrgyzstan; Latvia - onshore; Lithuania - onshore; Moldova; Russian Federation - onshore; Tajikistan; Turkmenistan; Ukraine - onshore; Uzbekistan

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5612')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BALTIC_1977_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5612')
```

Baltic 1977 height

Extent: Armenia; Azerbaijan; Belarus; Estonia - onshore; Georgia - onshore; Kazakhstan; Kyrgyzstan; Latvia - onshore; Lithuania - onshore; Moldova; Russian Federation - onshore; Tajikistan; Turkmenistan; Ukraine - onshore; Uzbekistan

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5705')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BALTIC_1977_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5705')
```

The adjustment also included the Czech and Slovak Republics but not adopted there, with earlier 1957 adjustment remaining in use: see CRS code 8357.

Baltic 1982 height

Extent: Bulgaria - onshore

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1982_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5786')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BALTIC_1982_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5786')
```

Baltic 1986 height

Extent: Poland - onshore

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1986_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9650')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BALTIC_1986_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9650')
```

Initially valid until 2019-12-31, but that extended to 2023-12-31. Will be replaced by EVRF2007-PL height (CRS 9651) after 2023-12-31.

Bandar Abbas height

Extent: Iran - onshore

```
Vertical::fromSRID(Vertical::EPSG_BANDAR_ABBAS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5752')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BANDAR_ABBAS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5752')
```

Replaces Fao height (CRS code 5751) for national map agency work in Iran. At time of record creation NIOC data still generally referenced to Fao.

Belfast height

Extent: United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Vertical::fromSRID(Vertical::EPSG_BELFAST_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5732')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BELFAST_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5732')
```

Malin Head height (CRS code 5731) used for medium and small scale topographic mapping.

Black Sea depth

Extent: Georgia - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_BLACK_SEA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5336')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BLACK_SEA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5336')
```

Black Sea datum is 0.4m below Baltic datum.

Black Sea height

Extent: Georgia - onshore

```
Vertical::fromSRID(Vertical::EPSG_BLACK_SEA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5735')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BLACK_SEA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5735')
```

Black Sea datum is 0.4m below Baltic datum.

Bluff 1955 height

Extent: New Zealand - South Island - Bluff vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_BLUFF_1955_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5760')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BLUFF_1955_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5760')
```

Bora Bora SAU 2001 height

Extent: French Polynesia - Society Islands - Bora Bora

```
Vertical::fromSRID(Vertical::EPSG_BORA_BORA_SAU_2001_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5607')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_BORA_BORA_SAU_2001_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5607')
```

Part of NGPF (CRS code 5600).

CBVD61 height (ft)

Extent: Cayman Islands - Cayman Brac

```
Vertical::fromSRID(Vertical::EPSG_CBVD61_HEIGHT_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6132')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CBVD61_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6132')
```

CD Norway depth

Extent: Norway (offshore) and Svalbard and Jan Mayen (offshore)

```
Vertical::fromSRID(Vertical::EPSG_CD_NORWAY_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9672')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CD_NORWAY_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9672')
```

CD UK & Ireland VORF08 depth

Extent: Ireland and United Kingdom (UK) (including Isle of Man and Channel Islands) - inshore, nearshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_CD_UK_AND_IRELAND_VORF08_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10151')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CD_UK_AND_IRELAND_VORF08_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10151')
```

CGVD2013(CGG2013) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Vertical::fromSRID(Vertical::EPSG_CGVD2013_CGG2013_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6647')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CGVD2013_CGG2013_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6647')
```

Replaces CGVD28 height (CRS code 5713). CGVD2013(CGG2013) height is realized by geoid model CGG2013 (CT code 9246). Replaced by CGVD2013a(1997 / 2002 / 2010) height. CGG2013a is identical to CGG2013 except in the western sector of Lake of the Woods.

CGVD2013a(1997) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Vertical::fromSRID(Vertical::EPSG_CGVD2013A_1997_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::20035')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CGVD2013A_1997_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20035')
```

Replaces CGVD2013(CGG2013) height. Although its datum is static CGVD2013a heights change with time, primarily due to glacial isostasy. This CRS is a static snapshot at epoch 1997.0 for use with NAD83(CSRS)v2 and 3. For other epochs see CRSs 9245 & 20034.

CGVD2013a(2002) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2002_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::20034')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CGVD2013A_2002_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20034')
```

Replaces CGVD2013(CGG2013) height. Although its datum is static CGVD2013a heights change with time, primarily due to glacial isostasy. This CRS is a static snapshot at epoch 2002.0 for use with NAD83(CSRS)v4. For other epochs see CRSs 9245 & 20035.

CGVD2013a(2010) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2010_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9245')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CGVD2013A_2010_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9245')
```

Replaces CGVD2013(CGG2013) height. Although its datum is static CGVD2013a heights change with time, primarily due to glacial isostasy. This CRS is a static snapshot at epoch 2010.0 for use with NAD83(CSRS)v6 and v7. For other epochs see CRSs 20034/20035.

CGVD28 height

Extent: Canada - onshore - Alberta; British Columbia; Manitoba south of 59°N; New Brunswick; Newfoundland, Labrador between 52°50'N and 54°30'N; Northwest Territories south west of a line between 60°40'N, 110°W and the coast at 132°W; Nova Scotia; Ontario south of 52°20'N; Prince Edward Island; Quebec - mainland south of 55°N and west of 64°W, north of 55°N between 70°W and 66°W, coastal area between 66°W and 64°W, and Anticosta island; Saskatchewan south of 58°30'N; Yukon

```
Vertical::fromSRID(Vertical::EPSG_CGVD28_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5713')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CGVD28_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5713')
```

From November 2013 replaced by CGVD2013 height (CRS code 6647).

Cagliari 1956 height

Extent: Italy - Sardinia onshore

```
Vertical::fromSRID(Vertical::EPSG_CAGLIARI_1956_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9722')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAGLIARI_1956_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9722')
```

Cais da Figueirinha depth

Extent: Portugal - central Azores - Terceira island onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_FIGUEIRINHA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10377')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_FIGUEIRINHA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10377')
```

Cais da Figueirinha height

Extent: Portugal - central Azores - Terceira island onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_FIGUEIRINHA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6184')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_FIGUEIRINHA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6184')
```

Cais da Madalena depth

Extent: Portugal - central Azores - Pico island onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_MADALENA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10374')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_MADALENA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10374')
```

Cais da Madalena height

Extent: Portugal - central Azores - Pico island onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_MADALENA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6182')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_MADALENA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6182')
```

Cais da Pontinha depth

Extent: Portugal - Madeira and Desertas islands - onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_PONTINHA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10370')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_PONTINHA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10370')
```

Cais da Pontinha height

Extent: Portugal - Madeira and Desertas islands - onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_PONTINHA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6178')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_PONTINHA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6178')
```

Cais da Vila depth

Extent: Portugal - Porto Santo island (Madeira archipelago) onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10371')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10371')
```

Cais da Vila do Porto depth

Extent: Portugal - eastern Azores onshore - Santa Maria, Formigas

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10379')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10379')
```

Cais da Vila do Porto height

Extent: Portugal - eastern Azores onshore - Santa Maria, Formigas

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6186')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6186')
```

Cais da Vila height

Extent: Portugal - Porto Santo island (Madeira archipelago) onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6179')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DA_VILA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6179')
```

Cais das Velas depth

Extent: Portugal - central Azores - Sao Jorge island onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_VELAS_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10375')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DAS_VELAS_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10375')
```

Cais das Velas height

Extent: Portugal - central Azores - Sao Jorge island onshore

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_VELAS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6180')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CAIS_DAS_VELAS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6180')
```

Cascais depth

Extent: Portugal - mainland - onshore

```
Vertical::fromSRID(Vertical::EPSG_CASCAIS_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10364')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CASCAIS_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10364')
```

Cascais height

Extent: Portugal - mainland - onshore

```
Vertical::fromSRID(Vertical::EPSG_CASCAIS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5780')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CASCAIS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5780')
```

Caspian depth

Extent: Azerbaijan - offshore; Kazakhstan - offshore; Russian Federation - Caspian Sea; Turkmenistan - offshore

```
Vertical::fromSRID(Vertical::EPSG_CASPIAN_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5706')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CASPIAN_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5706')
```

Caspian Sea water levels are now offset appreciably from this datum.

Caspian height

Extent: Azerbaijan - offshore; Kazakhstan - offshore; Russian Federation - Caspian Sea; Turkmenistan - offshore

```
Vertical::fromSRID(Vertical::EPSG_CASPIAN_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5611')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CASPIAN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5611')
```

Caspian Sea water levels are now offset appreciably from this datum.

Catania 1965 height

Extent: Italy - Sicily onshore

```
Vertical::fromSRID(Vertical::EPSG_CATANIA_1965_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9721')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CATANIA_1965_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9721')
```

Ceuta 2 height

Extent: Spain - Ceuta onshore

```
Vertical::fromSRID(Vertical::EPSG_CEUTA_2_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9402')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CEUTA_2_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9402')
```

Chatham Island 1959 height

Extent: New Zealand - Chatham Island - onshore

```
Vertical::fromSRID(Vertical::EPSG_CHATHAM_ISLAND_1959_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5771')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CHATHAM_ISLAND_1959_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5771')
```

Constanta height

Extent: Romania - onshore

```
Vertical::fromSRID(Vertical::EPSG_CONSTANTA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5781')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_CONSTANTA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5781')
```

DACR52 height

Extent: Costa Rica - onshore

```
Vertical::fromSRID(Vertical::EPSG_DACR52_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8911')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DACR52_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8911')
```

DHHN12 height

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Vertical::fromSRID(Vertical::EPSG_DHHN12_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7699')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DHHN12_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7699')
```

Replaced by SNN56 and then SNN76 in East Germany and by DHHN85 in West Germany.

DHHN2016 height

Extent: Germany - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_DHHN2016_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7837')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DHHN2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7837')
```

Replaces DHHN92 height (CRS code 5783) from 2016-12-01.

DHHN85 height

Extent: Germany - states of former West Germany onshore - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Schleswig-Holstein

```
Vertical::fromSRID(Vertical::EPSG_DHHN85_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5784')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DHHN85_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5784')
```

Replaced by DNNH92 height (CRS code 5783).

DHHN92 height

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Vertical::fromSRID(Vertical::EPSG_DHHN92_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5783')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DHHN92_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5783')
```

Replaces SNN76 height (CRS code 5785) and DHHN85 height (CRS code 5784). Replaced by DHHN2016 height (CRS code 7837).

DKLAT depth

Extent: Denmark - offshore

```
Vertical::fromSRID(Vertical::EPSG_DKLAT_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10552')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DKLAT_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10552')
```

Reference for all realizations of DKLAT depth without distinction.

DKLAT(2022) depth

Extent: Denmark - offshore

```
Vertical::fromSRID(Vertical::EPSG_DKLAT_2022_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10548')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DKLAT_2022_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10548')
```

Replaced by DKLAT(2023) depth.

DKLAT(2023) depth

Extent: Denmark - offshore

```
Vertical::fromSRID(Vertical::EPSG_DKLAT_2023_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10550')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DKLAT_2023_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10550')
```

Replaces DKLAT(2022) depth (CRS code 10548).

DKMSL depth

Extent: Denmark - offshore

```
Vertical::fromSRID(Vertical::EPSG_DKMSL_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10551')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DKMSL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10551')
```

Reference for all realizations of DKMSL without distinction.

DKMSL(2022) depth

Extent: Denmark - offshore

```
Vertical::fromSRID(Vertical::EPSG_DKMSL_2022_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10547')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DKMSL_2022_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10547')
```

Replaced by DKMSL(2023) depth.

DKMSL(2023) depth

Extent: Denmark - offshore

```
Vertical::fromSRID(Vertical::EPSG_DKMSL_2023_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10549')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DKMSL_2023_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10549')
```

Replaces DKMSL(2022) depth (CRS code 10547).

DNN height

Extent: Denmark - onshore

```
Vertical::fromSRID(Vertical::EPSG_DNN_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5733')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DNN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5733')
```

Replaced by DVR90 height (CRS code 5799).

DVR90 height

Extent: Denmark - onshore

```
Vertical::fromSRID(Vertical::EPSG_DVR90_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5799')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5799')
```

Reference for all realizations of DVR90 without distinction: DVR90(2000), DVR90(2002), DVR90(2013) and DVR90(2023).

DVR90(2000) height

Extent: Denmark - onshore

```
Vertical::fromSRID(Vertical::EPSG_DVR90_2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10482')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DVR90_2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10482')
```

Realizes DVR90 through the levelling network. Replaces Dansk Normal Null height (CRS code 5733).

DVR90(2002) height

Extent: Denmark - onshore

```
Vertical::fromSRID(Vertical::EPSG_DVR90_2002_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10483')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DVR90_2002_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10483')
```

Geoid-based realization to obtain DVR90 heights through GNSS. Replaced by DVR90(2013) height (CRS code 10484).

DVR90(2013) height

Extent: Denmark - onshore

```
Vertical::fromSRID(Vertical::EPSG_DVR90_2013_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10484')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DVR90_2013_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10484')
```

Geoid-based realization to obtain DVR90 heights through GNSS. Replaces DVR90(2002) height (CRS code 10483). Replaced by DVR90(2023) height (CRS code 10485).

DVR90(2023) height

Extent: Denmark - onshore

```
Vertical::fromSRID(Vertical::EPSG_DVR90_2023_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10485')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DVR90_2023_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10485')
```

Geoid-based realization to obtain DVR90 heights through GNSS. Replaces DVR90(2013) height (CRS code 10484).

Danger 1950 height

Extent: St Pierre and Miquelon - onshore

```
Vertical::fromSRID(Vertical::EPSG_DANGER_1950_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5792')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DANGER_1950_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5792')
```

Douglas height

Extent: Isle of Man - onshore

```
Vertical::fromSRID(Vertical::EPSG_DOUGLAS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5750')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DOUGLAS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5750')
```

Dunedin 1958 height

Extent: New Zealand - South Island - between approximately 44°S and 46°S - Dunedin vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_DUNEDIN_1958_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5761')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DUNEDIN_1958_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5761')
```

Dunedin-Bluff 1960 height

Extent: New Zealand - South Island - Dunedin-Bluff vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_DUNEDIN_BLUFF_1960_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::4458')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DUNEDIN_BLUFF_1960_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4458')
```

Durres height

Extent: Albania - onshore

```
Vertical::fromSRID(Vertical::EPSG_DURRES_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5777')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_DURRES_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5777')
```

EGM2008 height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_EGM2008_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::3855')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EGM2008_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3855')
```

Zero-height surface resulting from the application of the EGM2008 geoid model to the WGS 84 ellipsoid. Replaces EGM96 height (CRS code 5773).

EGM84 height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_EGM84_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5798')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EGM84_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5798')
```

Zero-height surface resulting from the application of the EGM84 geoid model to the WGS 84 ellipsoid. Replaced by EGM96 height (CRS code 5773).

EGM96 height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_EGM96_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5773')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EGM96_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5773')
```

Zero-height surface resulting from the application of the EGM96 geoid model to the WGS 84 ellipsoid. Replaces EGM84 height (CRS code 5798). Replaced by EGM2008 height (CRS code 3855).

EH2000 height

Extent: Estonia - onshore

```
Vertical::fromSRID(Vertical::EPSG_EH2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9663')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9663')
```

In Estonia replaces Baltic 1977 system (CRS code 5705) from January 2018.

EOMA 1980 height

Extent: Hungary

```
Vertical::fromSRID(Vertical::EPSG_EOMA_1980_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5787')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EOMA_1980_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5787')
```

EVRF2000 Austria height

Extent: Austria

```
Vertical::fromSRID(Vertical::EPSG_EVRF2000_AUSTRIA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9274')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EVRF2000_AUSTRIA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9274')
```

Austria-specific version of EVRF using orthometric heights instead of the Normal heights used in EVRF2000 (CRS code 5730). Used for scientific purposes. See GHA height (CRS code 5778) for cadastral and other land survey purposes.

EVRF2000 height

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar; Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5730')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5730')
```

Uses Normal heights. Replaced by EVRF2007 height (CRS code 5621). In Austria, orthometric heights used instead - see CRS code 9274.

EVRF2007 height

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5621')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5621')
```

Uses Normal heights. Replaces EVRF2000 height (CRS code 5730). Replaced by EVRF2019 height (CRS code 9389).

EVRF2007-PL height

Extent: Poland - onshore

```
Vertical::fromSRID(Vertical::EPSG_EVRF2007_PL_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9651')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EVRF2007_PL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9651')
```

Replaces Baltic 1986 height (CRS 9650) after 2023-12-31.

EVRF2019 height

Extent: Europe - onshore - Andorra; Austria; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; North Macedonia; Norway; Poland; Portugal - mainland; Romania; Russia – west of approximately 60°E; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Ukraine; Vatican City State

```
Vertical::fromSRID(Vertical::EPSG_EVRF2019_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9389')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EVRF2019_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9389')
```

September 2020 adjustment. Replaces 2019 adjustment and EVRF2007 height (CRS code 5621). Uses Normal heights. Zero-tide solution. See EVRF2019 mean-tide height (CRS code 9390) for solution more appropriate for oceanography and GNSS-related activities.

EVRF2019 mean-tide height

Extent: Europe - onshore - Andorra; Austria; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; North Macedonia; Norway; Poland; Portugal - mainland; Romania; Russia – west of approximately 60°E; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Ukraine; Vatican City State

```
Vertical::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9390')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9390')
```

September 2020 adjustment. Replaces 2019 adjustment. Uses Normal heights. Mean-tide solution. See EVRF2019 height (CRS code 9389) for zero-tide solution more appropriate for gravity-related activities.

El Hierro height

Extent: Spain - Canary Islands - El Hierro onshore

```
Vertical::fromSRID(Vertical::EPSG_EL_HIERRO_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9401')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_EL_HIERRO_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9401')
```

FCSVR10 height

Extent: Fehmarnbelt area of Denmark and Germany

```
Vertical::fromSRID(Vertical::EPSG_FCSVR10_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5597')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FCSVR10_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5597')
```

FVR09 height

Extent: Faroe Islands - onshore

```
Vertical::fromSRID(Vertical::EPSG_FVR09_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5317')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FVR09_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5317')
```

Introduced in 2010.

Fahud HD height

Extent: Oman - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_FAHUD_HD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5725')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FAHUD_HD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5725')
```

Replaced by PHD93 height (CRS code 5724) from 1993.

Fair Isle height

Extent: United Kingdom (UK) - Great Britain - Scotland - Fair Isle onshore

```
Vertical::fromSRID(Vertical::EPSG_FAIR_ISLE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5741')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FAIR_ISLE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5741')
```

Replaced by ODN (Offshore) height (CRS code 7707) in 2016.

Famagusta 1960 height

Extent: Cyprus - onshore

```
Vertical::fromSRID(Vertical::EPSG_FAMAGUSTA_1960_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7446')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FAMAGUSTA_1960_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7446')
```

Fao 1979 height

Extent: Iraq - onshore

```
Vertical::fromSRID(Vertical::EPSG_FAO_1979_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::3886')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FAO_1979_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3886')
```

Replaces Fao height (CRS code 5751) for national map agency work in Iraq. At time of record creation some irrigation project data still referenced to Fao. Usage in oil industry is uncertain.

Fao height

Extent: Iraq - onshore southeast; Iran - onshore northern Gulf coast and west bordering southeast Iraq

```
Vertical::fromSRID(Vertical::EPSG_FAO_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5751')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FAO_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5751')
```

Replaced by Bandar Abbas (CRS code 5752) in Iran and Fao 1979 (code 3886) in Iraq. At time of record creation NIOC data in Ahwaz area of Iran and some irrigation project data in Iraq still usually referenced to Fao. Usage in Iraqi oil industry uncertain.

Flannan Isles height

Extent: United Kingdom (UK) - Great Britain - Scotland - Flannan Isles onshore

```
Vertical::fromSRID(Vertical::EPSG_FLANNAN_ISLES_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5748')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FLANNAN_ISLES_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5748')
```

Replaced by ODN (Offshore) height (CRS code 7707) in 2016.

Formentera height

Extent: Spain - Balearic Islands - Formentera - onshore

```
Vertical::fromSRID(Vertical::EPSG_FORMENTERA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10352')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FORMENTERA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10352')
```

Foula height

Extent: United Kingdom (UK) - Great Britain - Scotland - Foula onshore

```
Vertical::fromSRID(Vertical::EPSG_FOULA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5743')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FOULA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5743')
```

Replaced by ODN (Offshore) height (CRS code 7707) in 2016.

Fuerteventura height

Extent: Spain - Canary Islands - Fuerteventura onshore

```
Vertical::fromSRID(Vertical::EPSG_FUERTEVENTURA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9396')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_FUERTEVENTURA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9396')
```

GCVD54 height (ft)

Extent: Cayman Islands - Grand Cayman

```
Vertical::fromSRID(Vertical::EPSG_GCVD54_HEIGHT_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6130')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GCVD54_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6130')
```

GHA height

Extent: Austria

```
Vertical::fromSRID(Vertical::EPSG_GHA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5778')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GHA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5778')
```

For scientific purposes see EVRF2000 Austria height (CRS code 9274).

GLLMSL(2022) height

Extent: Greenland - onshore

```
Vertical::fromSRID(Vertical::EPSG_GLLMSL_2022_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10565')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GLLMSL_2022_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10565')
```

Collection of 77 disconnected local levelling nets each tied to local mean sea level.

GNTRANS height

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Vertical::fromSRID(Vertical::EPSG_GNTRANS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9923')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GNTRANS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9923')
```

Introduced in 2003. Replaces DB Netz use of DHHN12, SNN76, DHHN85 and DHHN92 as variously adopted by German states but which DB Netz used with smoothing across boundary discontinuity. Replaced by GNTRANS2016 height (CRS code 9927).

GNTRANS2016 height

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Vertical::fromSRID(Vertical::EPSG_GNTRANS2016_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9927')
```

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```
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GNTRANS2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9927')
```

Replaces GNTRANS height [also called GNTRANS2003 height] (CRS code 9923). Approximates national DHHN2016 height system (CRS code 7837) to around 1cm in lowlands and 2cm in high mountains.

GUVD04 height

Extent: Guam - onshore

```
Vertical::fromSRID(Vertical::EPSG_GUVD04_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6644')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GUVD04_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6644')
```

Replaces Guam 1963 height (CRS code 6639).

GVR2000 height

Extent: Greenland - onshore and offshore between 59°N and 84°N and west of 10°W

```
Vertical::fromSRID(Vertical::EPSG_GVR2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8266')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GVR2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8266')
```

Replaced by GVR2016 height (CRS code 8267). GVR2000 is realized by gravimetric geoid model 2000 (transformation code 8268) applied to GR96 (CRS code 4909).

GVR2016 height

Extent: Greenland - onshore and offshore between 58°N and 85°N and west of 7°W

```
Vertical::fromSRID(Vertical::EPSG_GVR2016_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8267')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GVR2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8267')
```

Replaces GVR2000 height (CRS code 8266). GVR2016 is realized by gravimetric geoid model 2016 (transformation code 8269) applied to GR96 (CRS code 4909).

Genoa 1942 height

Extent: Italy - mainland (including San Marino and Vatican City State) and Sicily

```
Vertical::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5214')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5214')
```

Gisborne 1926 height

Extent: New Zealand - North Island - Gisborne vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_GISBORNE_1926_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5762')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GISBORNE_1926_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5762')
```

Gran Canaria height

Extent: Spain - Canary Islands - Gran Canaria onshore

```
Vertical::fromSRID(Vertical::EPSG_GRAN_CANARIA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9397')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GRAN_CANARIA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9397')
```

Guadeloupe 1951 height

Extent: Guadeloupe - onshore - Basse-Terre and Grande-Terre

```
Vertical::fromSRID(Vertical::EPSG_GUADELOUPE_1951_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5795')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GUADELOUPE_1951_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5795')
```

Replaced by Guadeloupe 1988 height (CRS code 5757).

Guadeloupe 1988 height

Extent: Guadeloupe - onshore - Basse-Terre and Grande-Terre

```
Vertical::fromSRID(Vertical::EPSG_GUADELOUPE_1988_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5757')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GUADELOUPE_1988_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5757')
```

Replaces Guadeloupe 1951 height (CRS code 5795).

Guam 1963 height

Extent: Guam - onshore

```
Vertical::fromSRID(Vertical::EPSG_GUAM_1963_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6639')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_GUAM_1963_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6639')
```

Replaced by GUVD04 height (CRS code 6644).

HAT height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_HAT_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5872')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HAT_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5872')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “HAT at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

HHWLT height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_HHWLT_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5871')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HHWLT_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5871')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “HHWLT at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

HKCD depth

Extent: China - Hong Kong - offshore

```
Vertical::fromSRID(Vertical::EPSG_HKCD_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5739')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HKCD_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5739')
```

Chart datum is 0.15 metres below Hong Kong Principal Datum (CRS code 5738) and 1.38m below MSL at Quarry Bay.

HKPD depth

Extent: China - Hong Kong - onshore

```
Vertical::fromSRID(Vertical::EPSG_HKPD_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7976')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HKPD_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7976')
```

HKPD height

Extent: China - Hong Kong - onshore

```
Vertical::fromSRID(Vertical::EPSG_HKPD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5738')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HKPD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5738')
```

HS2-VRF height

Extent: United Kingdom (UK) - HS2 phases 1 and 2a railway corridor from London to Birmingham, Lichfield and Crewe

```
Vertical::fromSRID(Vertical::EPSG_HS2_VRF_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9303')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HS2_VRF_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9303')
```

HS2-VRF height is equivalent to ODN height as historically realized through OSNet v2001 and OSGM02. After the ODN realization was updated to be through OSNet v2009 and OSGM15, HS2-VRF height was introduced for backward consistency.

HVRS71 height

Extent: Croatia - onshore

```
Vertical::fromSRID(Vertical::EPSG_HVRS71_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5610')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HVRS71_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5610')
```

Replaces Trieste height (CRS code 5195).

Ha Tien 1960 height

Extent: Cambodia - mainland onshore; Vietnam - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_HA_TIEN_1960_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5726')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HA_TIEN_1960_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5726')
```

In Vietnam replaced by Hon Dau height (CRS code 5727) from 1992.

High Water height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_HIGH_WATER_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5874')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HIGH_WATER_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5874')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "High Water at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

Hon Dau 1992 height

Extent: Vietnam - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_HON_DAU_1992_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5727')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HON_DAU_1992_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5727')
```

In Vietnam replaces Ha Tien height (CRS code 5726) from 1992.

Horta depth

Extent: Portugal - central Azores - Faial island onshore

```
Vertical::fromSRID(Vertical::EPSG_HORTA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10373')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HORTA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10373')
```

Horta height

Extent: Portugal - central Azores - Faial island onshore

```
Vertical::fromSRID(Vertical::EPSG_HORTA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6181')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HORTA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6181')
```

Huahine SAU 2001 height

Extent: French Polynesia - Society Islands - Huahine

```
Vertical::fromSRID(Vertical::EPSG_HUAHINE_SAU_2001_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5605')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_HUAHINE_SAU_2001_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5605')
```

Part of NGPF (CRS code 5600).

IGLD 1955 height

Extent: Canada and United States (USA) - Great Lakes basin and St Lawrence Seaway

```
Vertical::fromSRID(Vertical::EPSG_IGLD_1955_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5608')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGLD_1955_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5608')
```

Replaces several earlier systems. Replaced by IGLD 1985 (CRS code 5609).

IGLD 1985 height

Extent: Canada and United States (USA) - Great Lakes basin and St Lawrence Seaway

```
Vertical::fromSRID(Vertical::EPSG_IGLD_1985_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5609')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGLD_1985_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5609')
```

Replaces IGLD 1955 (CRS code 5608).

IGN 1966 height

Extent: French Polynesia - Society Islands - Tahiti

```
Vertical::fromSRID(Vertical::EPSG_IGN_1966_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5601')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_1966_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5601')
```

Part of NGPF (CRS code 5600).

IGN 1988 LS height

Extent: Guadeloupe - onshore - Les Saintes

```
Vertical::fromSRID(Vertical::EPSG_IGN_1988_LS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5616')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_1988_LS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5616')
```

IGN 1988 MG height

Extent: Guadeloupe - onshore - Marie-Galante

```
Vertical::fromSRID(Vertical::EPSG_IGN_1988_MG_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5617')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_1988_MG_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5617')
```

IGN 1988 SB height

Extent: Guadeloupe - onshore - St Barthelemy island

```
Vertical::fromSRID(Vertical::EPSG_IGN_1988_SB_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5619')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_1988_SB_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5619')
```

IGN 1988 SM height

Extent: Guadeloupe - onshore - St Martin island

```
Vertical::fromSRID(Vertical::EPSG_IGN_1988_SM_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5620')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_1988_SM_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5620')
```

IGN 1992 LD height

Extent: Guadeloupe - onshore - La Desirade

```
Vertical::fromSRID(Vertical::EPSG_IGN_1992_LD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5618')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_1992_LD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5618')
```

Replaced by IGN 2008 LD height (CRS code 9130).

IGN 2008 LD height

Extent: Guadeloupe - onshore - La Desirade

```
Vertical::fromSRID(Vertical::EPSG_IGN_2008_LD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9130')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IGN_2008_LD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9130')
```

Replaces IGN 1992 LD height (CRS code 5618).

INAGeoid2020 v1 height

Extent: Indonesia - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_INAGEOID2020_V1_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9471')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_INAGEOID2020_V1_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9471')
```

Physical height component of national vertical control network (JKVN). Orthometric heights. Replaced by INAGeoid2020 v2 height (code 20036).

INAGeoid2020 v2 height

Extent: Indonesia - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_INAGEOID2020_V2_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::20036')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_INAGEOID2020_V2_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20036')
```

Physical height component of national vertical control network (JKVN). Orthometric heights. Replaces INAGeoid2020 v1 height (CRS code 9471).

ISH2004 height

Extent: Iceland - onshore

```
Vertical::fromSRID(Vertical::EPSG_ISH2004_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8089')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ISH2004_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8089')
```

National system replacing older local systems from March 2011.

ISLW depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_ISLW_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5863')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ISLW_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5863')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “ISLW at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

Ibiza height

Extent: Spain - Balearic Islands - Ibiza - onshore

```
Vertical::fromSRID(Vertical::EPSG_IBIZA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9394')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_IBIZA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9394')
```

Instantaneous Water Level depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_INSTANTANEOUS_WATER_LEVEL_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5831')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_INSTANTANEOUS_WATER_LEVEL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5831')
```

Depth relative to instantaneous water level uncorrected for tide. Not specific to any location or epoch.

Instantaneous Water Level height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_INSTANTANEOUS_WATER_LEVEL_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5829')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_INSTANTANEOUS_WATER_LEVEL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5829')
```

Height relative to instantaneous water level uncorrected for tide. Not specific to any location or epoch.

JGD2000 (vertical) height

Extent: Japan - onshore mainland - Hokkaido, Honshu, Shikoku, Kyushu

```
Vertical::fromSRID(Vertical::EPSG_JGD2000_VERTICAL_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6694')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_JGD2000_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6694')
```

Replaced JSLD69 and JSLD72 (CRS codes 5723 and 6693) from April 2002. Replaced by JGD2011 (vertical) (CRS code 6695) with effect from 21st October 2011.

JGD2011 (vertical) height

Extent: Japan - onshore mainland - Hokkaido, Honshu, Shikoku, Kyushu

```
Vertical::fromSRID(Vertical::EPSG_JGD2011_VERTICAL_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6695')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6695')
```

Replaces JGD2000 (vertical) (CRS code 6694) with effect from 21st October 2011.

JSLD69 height

Extent: Japan - onshore mainland - Honshu, Shikoku, Kyushu

```
Vertical::fromSRID(Vertical::EPSG_JSLD69_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5723')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_JSLD69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5723')
```

Replaces JSLD49. Replaced by JGD2000 (vertical) (CRS code 6694) with effect from April 2002.

JSLD72 height

Extent: Japan - onshore mainland - Hokkaido

```
Vertical::fromSRID(Vertical::EPSG_JSLD72_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6693')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_JSLD72_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6693')
```

Replaced by JGD2000 (vertical) (CRS code 6694) with effect from April 2002.

Jamestown 1971 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Vertical::fromSRID(Vertical::EPSG_JAMESTOWN_1971_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7888')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_JAMESTOWN_1971_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7888')
```

Replaced by SHVD2016 (CRS code 7890) from 2016.

KOC CD height

Extent: Kuwait - onshore

```
Vertical::fromSRID(Vertical::EPSG_KOC_CD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5790')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KOC_CD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5790')
```

KOC WD depth

Extent: Kuwait - onshore

```
Vertical::fromSRID(Vertical::EPSG_KOC_WD_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5789')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KOC_WD_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5789')
```

See CRS code 5614 for equivalent system in feet.

KOC WD depth (ft)

Extent: Kuwait - onshore

```
Vertical::fromSRID(Vertical::EPSG_KOC_WD_DEPTH_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5614')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KOC_WD_DEPTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5614')
```

See CRS code 5789 for equivalent system in feet.

KOC WD height

Extent: Kuwait - onshore

```
Vertical::fromSRID(Vertical::EPSG_KOC_WD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7979')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KOC_WD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7979')
```

See CRS code 5789 for equivalent depth system.

KSA-VRF14 height

Extent: Saudi Arabia - onshore

```
Vertical::fromSRID(Vertical::EPSG_KSA_VRF14_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9335')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KSA_VRF14_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9335')
```

Orthometric heights.

KVD1964 height

Extent: Republic of Korea (South Korea) - onshore

```
Vertical::fromSRID(Vertical::EPSG_KVD1964_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5193')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KVD1964_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5193')
```

Normal-orthometric heights.

Kiunga height

Extent: Papua New Guinea - onshore south of 5°S and west of 144°E

```
Vertical::fromSRID(Vertical::EPSG_KIUNGA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7652')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KIUNGA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7652')
```

Kiunga height = WGS 84 ellipsoid height - value of geoid undulation derived by bilinear interpolation of EGM2008 geoid model - 3.0m = EGM2008 height - 3.0m. See CRS code 3855 and transformation code 3858.

Kumul 34 height

Extent: Papua New Guinea - Papuan fold and thrust belt

```
Vertical::fromSRID(Vertical::EPSG_KUMUL_34_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7651')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KUMUL_34_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7651')
```

Kumul 34 height = WGS 84 ellipsoid height - value of geoid undulation derived by bilinear interpolation of EGM96 geoid model - 0.87m = EGM96 height - 0.87m. See CRS code 5773 and transformation code 10084.

Kuwait PWD height

Extent: Kuwait - onshore

```
Vertical::fromSRID(Vertical::EPSG_KUWAIT_PWD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5788')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_KUWAIT_PWD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5788')
```

LAS07 height

Extent: Lithuania - onshore

```
Vertical::fromSRID(Vertical::EPSG_LAS07_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9666')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LAS07_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9666')
```

In Lithuania replaces Baltic 1977 system (CRS code 5705) from January 2016.

LAT NL depth

Extent: Netherlands - offshore North Sea and nearshore

```
Vertical::fromSRID(Vertical::EPSG_LAT_NL_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9287')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LAT_NL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9287')
```

LAT depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_LAT_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5861')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LAT_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5861')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “LAT at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

LCVD61 height (ft)

Extent: Cayman Islands - Little Cayman

```
Vertical::fromSRID(Vertical::EPSG_LCVD61_HEIGHT_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6131')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LCVD61_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6131')
```

LHN95 height

Extent: Liechtenstein; Switzerland

```
Vertical::fromSRID(Vertical::EPSG_LHN95_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5729')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LHN95_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5729')
```

Replaces LN02 height (CRS code 5728).

LLWLT depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_LLWLT_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5862')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LLWLT_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5862')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “LLWLT at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

LN02 height

Extent: Liechtenstein; Switzerland

```
Vertical::fromSRID(Vertical::EPSG_LN02_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5728')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LN02_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5728')
```

Replaced by LHN95 height (CRS code 5729).

La Gomera height

Extent: Spain - Canary Islands - La Gomera onshore

```
Vertical::fromSRID(Vertical::EPSG_LA_GOMERA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9399')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LA_GOMERA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9399')
```

La Palma height

Extent: Spain - Canary Islands - La Palma onshore

```
Vertical::fromSRID(Vertical::EPSG_LA_PALMA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9400')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LA_PALMA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9400')
```

Lagos 1955 height

Extent: Nigeria - onshore

```
Vertical::fromSRID(Vertical::EPSG_LAGOS_1955_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5796')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LAGOS_1955_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5796')
```

Lanzarote height

Extent: Spain - Canary Islands - Lanzarote onshore

```
Vertical::fromSRID(Vertical::EPSG_LANZAROTE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9395')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LANZAROTE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9395')
```

Latvia 2000 height

Extent: Latvia - onshore

```
Vertical::fromSRID(Vertical::EPSG_LATVIA_2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7700')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LATVIA_2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7700')
```

In Latvia replaces Baltic 1977 system (CRS code 5705) from December 2014.

Lerwick height

Extent: United Kingdom (UK) - Great Britain - Scotland - Shetland Islands onshore

```
Vertical::fromSRID(Vertical::EPSG_LERWICK_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5742')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LERWICK_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5742')
```

Low Water depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_LOW_WATER_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5873')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LOW_WATER_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5873')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "Low Water at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

Lyttelton 1937 height

Extent: New Zealand - South Island - between approximately 41°20'S and 45°S - Lyttleton vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_LYTTELTON_1937_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5763')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_LYTTELTON_1937_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5763')
```

MHHW height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MHHW_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5869')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MHHW_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5869')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "MHHW at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MHW height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MHW_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5868')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MHW_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5868')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "Mean High Water at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MHWS height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MHWS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5870')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MHWS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5870')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "MHWS at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MLLW depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MLLW_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5866')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MLLW_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5866')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "MLLW at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MLLWS depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MLLWS_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5864')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MLLWS_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5864')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "MLLWS at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model..

MLW depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MLW_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5867')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MLW_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5867')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "Mean Low Water at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MLWS depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MLWS_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5865')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MLWS_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5865')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "MLWS at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MSL NL depth

Extent: Netherlands - offshore North Sea and nearshore

```
Vertical::fromSRID(Vertical::EPSG_MSL_NL_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9288')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_NL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9288')
```

MSL UK & Ireland VORF08 depth

Extent: Ireland and United Kingdom (UK) (including Isle of Man and Channel Islands) - inshore, nearshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_MSL_UK_AND_IRELAND_VORF08_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10150')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_UK_AND_IRELAND_VORF08_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10150')
```

For offshore engineering on UKCS, use Ordnance Datum Newlyn (Offshore).

MSL depth

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MSL_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5715')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5715')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. "Mean Sea Level at xxx during yyyy-yyyy") or defined through a specified geoid/hydroid model.

MSL depth (ft)

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MSL_DEPTH_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8051')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_DEPTH_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8051')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “Mean Sea Level at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

MSL depth (ftUS)

Extent: United States (USA) - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_MSL_DEPTH_FTUS)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8053')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_DEPTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8053')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “Mean Sea Level at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

MSL height

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MSL_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5714')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5714')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “Mean Sea Level at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

MSL height (ft)

Extent: World

```
Vertical::fromSRID(Vertical::EPSG_MSL_HEIGHT_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8050')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8050')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “Mean Sea Level at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

MSL height (ftUS)

Extent: United States (USA) - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_MSL_HEIGHT_FTUS)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8052')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MSL_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8052')
```

Approximate because not specific to any location or epoch. Users are advised to not use this generic CRS but instead use one with a specific datum origin (e.g. “Mean Sea Level at xxx during yyyy-yyyy”) or defined through a specified geoid/hydroid model.

MVGC height

Extent: Saudi Arabia - onshore

```
Vertical::fromSRID(Vertical::EPSG_MVGC_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8841')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MVGC_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8841')
```

Macao height

Extent: China - Macao - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_MACAO_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8434')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MACAO_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8434')
```

Malin Head height

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Vertical::fromSRID(Vertical::EPSG_MALIN_HEAD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5731')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MALIN_HEAD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5731')
```

Topographic mapping at all scales in Republic and medium and small scales in Northern Ireland. Belfast Lough height (CRS code 5732) used for large scale topographic mapping in Northern Ireland.

Mallorca height

Extent: Spain - Balearic Islands - Mallorca onshore

```
Vertical::fromSRID(Vertical::EPSG_MALLORCA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9392')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MALLORCA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9392')
```

Maputo height

Extent: Mozambique - onshore

```
Vertical::fromSRID(Vertical::EPSG_MAPUTO_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5722')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MAPUTO_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5722')
```

Martinique 1955 height

Extent: Martinique - onshore

```
Vertical::fromSRID(Vertical::EPSG_MARTINIQUE_1955_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5794')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MARTINIQUE_1955_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5794')
```

Replaced by Martinique 1987 height (CRS code 5756)

Martinique 1987 height

Extent: Martinique - onshore

```
Vertical::fromSRID(Vertical::EPSG_MARTINIQUE_1987_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5756')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MARTINIQUE_1987_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5756')
```

Replaces Martinique 1955 height (CRS code 5794)

Maupiti SAU 2001 height

Extent: French Polynesia - Society Islands - Maupiti

```
Vertical::fromSRID(Vertical::EPSG_MAUPITI_SAU_2001_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5604')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MAUPITI_SAU_2001_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5604')
```

Part of NGPF (CRS code 5600).

Mayotte 1950 height

Extent: Mayotte - onshore

```
Vertical::fromSRID(Vertical::EPSG_MAYOTTE_1950_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5793')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MAYOTTE_1950_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5793')
```

Referred to as 'SHOM 1953' in government regulations but confirmed by IGN as being the Mayotte 1950 system.

Melilla height

Extent: Spain - Melilla onshore

```
Vertical::fromSRID(Vertical::EPSG_MELILLA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10354')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MELILLA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10354')
```

Menorca height

Extent: Spain - Balearic Islands - Menorca onshore

```
Vertical::fromSRID(Vertical::EPSG_MENORCA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9393')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MENORCA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9393')
```

Moorea SAU 1981 height

Extent: French Polynesia - Society Islands - Moorea

```
Vertical::fromSRID(Vertical::EPSG_MOOREA_SAU_1981_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5602')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MOOREA_SAU_1981_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5602')
```

Part of NGPF (CRS code 5600).

Moturiki 1953 height

Extent: New Zealand - North Island - Moturiki vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_MOTURIKI_1953_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5764')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_MOTURIKI_1953_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5764')
```

N2000 height

Extent: Finland - onshore

```
Vertical::fromSRID(Vertical::EPSG_N2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::3900')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_N2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3900')
```

Replaces N43 height and N60 height (CRS codes 8675 and 5717).

N43 height

Extent: Finland - onshore mainland south of approximately 66°N

```
Vertical::fromSRID(Vertical::EPSG_N43_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8675')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_N43_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8675')
```

Introduced during second national precise levelling as a temporary height system (or intended to be such). Replaced by N60 height (CRS code 5717).

N60 height

Extent: Finland - onshore

```
Vertical::fromSRID(Vertical::EPSG_N60_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5717')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_N60_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5717')
```

In use since 1968. Replaced by N2000 height (CRS code 3900).

NAP height

Extent: Netherlands - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_NAP_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5709')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAP_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5709')
```

Use has been extended from Netherlands onshore to Netherlands onshore and offshore from 2018.

NAVD88 depth

Extent: Mexico - onshore. United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NAVD88_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6357')
```

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```
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAVD88_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6357')
```

NAVD88 depth (ftUS)

Extent: United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska mainland; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NAVD88_DEPTH_FTUS)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6358')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAVD88_DEPTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6358')
```

Replaces NGVD29 depth (ftUS) (CRS code 6359).

NAVD88 height

Extent: Mexico - onshore. United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NAVD88_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5703')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5703')
```

NAVD88 height (ft)

Extent: United States (USA) - onshore - Arizona; Michigan; Montana; North Dakota; Oregon; South Carolina

```
Vertical::fromSRID(Vertical::EPSG_NAVD88_HEIGHT_FT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8228')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAVD88_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8228')
```

Care: only for use as part of a compound CRS in conjunction with State Plane CS in States which have passed State Plane legislation in International feet (note: not US survet feet).

NAVD88 height (ftUS)

Extent: United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska mainland; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NAVD88_HEIGHT_FTUS)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6360')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6360')
```

Replaces NGVD29 height (ftUS) (CRS code 5702).

NG95 height

Extent: Luxembourg

```
Vertical::fromSRID(Vertical::EPSG_NG95_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5774')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NG95_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5774')
```

NGA 2022 height

Extent: Algeria - onshore

```
Vertical::fromSRID(Vertical::EPSG_NGA_2022_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10190')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGA_2022_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10190')
```

In practice realised by application of geoid model recommended by the Institut National de Cartographie et de Télédétection (INCT) to WGS 84 ellipsoidal heights.

NGC 1948 height

Extent: France - Corsica onshore

```
Vertical::fromSRID(Vertical::EPSG_NGC_1948_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5791')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGC_1948_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5791')
```

Replaced by IGN78 height (CRS code 5721)

NGF Lallemand height

Extent: France - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_NGF_LALLEMAND_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5719')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGF_LALLEMAND_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5719')
```

Generally but not entirely replaced by NGF IGN69 height (CRS code 5720).

NGF-IGN69 height

Extent: France - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_NGF_IGN69_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5720')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGF_IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5720')
```

Generally but not entirely replaces NGF Lallemand height (CRS code 5719).

NGF-IGN78 height

Extent: France - Corsica onshore

```
Vertical::fromSRID(Vertical::EPSG_NGF_IGN78_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5721')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGF_IGN78_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5721')
```

Replaces NGC 1948 height (CRS code 5791).

NGG1977 height

Extent: French Guiana - onshore

```
Vertical::fromSRID(Vertical::EPSG_NGG1977_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5755')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGG1977_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5755')
```

NGNC08 height

Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands (Lifou, Mare, Ouvea)

```
Vertical::fromSRID(Vertical::EPSG_NGNC08_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9351')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGNC08_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9351')
```

On Grande Terre replaces NGNC69 (CRS code 5753).

NGNC69 height

Extent: New Caledonia - Grande Terre

```
Vertical::fromSRID(Vertical::EPSG_NGNC69_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5753')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGNC69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5753')
```

Replaced by NGNC08 height (CRS code 9351).

NGPF height

Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Maupiti, Moorea, Raiatea, Tahaa and Tahiti

```
Vertical::fromSRID(Vertical::EPSG_NGPF_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5600')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGPF_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5600')
```

The collection of heterogeneous vertical coordinate reference systems throughout the Society Islands of French Polynesia.

NGVD29 depth (ftUS)

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NGVD29_DEPTH_FTUS)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6359')
```

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```
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGVD29_DEPTH_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6359')
```

Replaced by NAVD88 depth (ftUS) (CRS code 6358).

NGVD29 height (ftUS)

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_FTUS)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5702')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5702')
```

Replaced by NAVD88 height (ftUS) (CRS code 6360).

NGVD29 height (m)

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Vertical::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_M)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7968')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7968')
```

System defined by IOGP to allow transformation of heights to and from NGVD29. See CRS code 5702 for system in US survey feet in actual use.

NMVD03 height

Extent: Northern Mariana Islands - onshore - Rota, Saipan and Tinian

```
Vertical::fromSRID(Vertical::EPSG_NMVD03_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6640')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NMVD03_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6640')
```

Replaces all earlier vertical CRSs on these islands.

NN2000 height

Extent: Norway - onshore

```
Vertical::fromSRID(Vertical::EPSG_NN2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5941')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5941')
```

Replaces NN54 height (CRS code 5776).

NN54 height

Extent: Norway - onshore

```
Vertical::fromSRID(Vertical::EPSG_NN54_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5776')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5776')
```

Replaced by NN2000 height (CRS code 5941).

NVD 1992 height

Extent: Bangladesh - onshore

```
Vertical::fromSRID(Vertical::EPSG_NVD_1992_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9681')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NVD_1992_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9681')
```

Replaces PWD Datum.

NZVD2009 height

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::4440')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4440')
```

Replaced by NZVD2016 from 2016-06-27.

NZVD2016 height

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7839')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7839')
```

Normal-orthometric heights. Replaces NZVD2009 height (CRS code 4440).

Napier 1962 height

Extent: New Zealand - North Island - Hawkes Bay meridional circuit and Napier vertical crs area

```
Vertical::fromSRID(Vertical::EPSG_NAPIER_1962_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5765')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NAPIER_1962_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5765')
```

Nelson 1955 height

Extent: New Zealand - South Island - north of approximately 42°20'S - Nelson vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_NELSON_1955_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5766')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NELSON_1955_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5766')
```

North Rona height

Extent: United Kingdom (UK) - Great Britain - Scotland - North Rona onshore

```
Vertical::fromSRID(Vertical::EPSG_NORTH_RONA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5745')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_NORTH_RONA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5745')
```

Replaced by ODN (Offshore) height (CRS code 7707) in 2016.

ODN (Offshore) height

Extent: United Kingdom (UK) - offshore between 2km from shore and boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E

```
Vertical::fromSRID(Vertical::EPSG_ODN_OFFSHORE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7707')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ODN_OFFSHORE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7707')
```

Defined through OSGM geoid model (transformation code 7713). Replaces Fair Isle height, Flannan Isles height, Foula height, North Rona height, St Kilda height and Sule Skerry height (CRS codes 5741, 5748, 5743, 5745, 5747 and 5744) from 2016.

ODN Orkney height

Extent: United Kingdom (UK) - Great Britain - Scotland - Orkney Islands onshore

```
Vertical::fromSRID(Vertical::EPSG_ODN_ORKNEY_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5740')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ODN_ORKNEY_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5740')
```

ODN height

Extent: United Kingdom (UK) - Great Britain onshore - England and Wales - mainland; Scotland - mainland and Inner Hebrides

```
Vertical::fromSRID(Vertical::EPSG_ODN_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5701')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5701')
```

One Tree Point 1964 height

Extent: New Zealand - North Island - One Tree Point vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_ONE_TREE_POINT_1964_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5767')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ONE_TREE_POINT_1964_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5767')
```

Ostend height

Extent: Belgium - onshore

```
Vertical::fromSRID(Vertical::EPSG_OSTEND_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5710')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_OSTEND_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5710')
```

No gravity corrections applied.

PHD93 height

Extent: Oman - onshore. Includes Musandam and the Kuria Muria (Al Hallaniyah) islands

```
Vertical::fromSRID(Vertical::EPSG_PHD93_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5724')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PHD93_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5724')
```

Replaces Fahud Height Datum height (CRS code 5725) from 1993.

PNG08 height

Extent: Papua New Guinea - between 0°N and 12°S and 140°E and 158°E - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_PNG08_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7447')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PNG08_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7447')
```

PNG08 height = PNG94 ellipsoidal height - value of geoid undulation derived by bilinear interpolation of PNG08 geoid model (see transformation code 7655).

POM08 height

Extent: Papua New Guinea - onshore - Gulf province east of 144°24'E, Central province and National Capital District

```
Vertical::fromSRID(Vertical::EPSG_POM08_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7841')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_POM08_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7841')
```

POM08 height = WGS 84 ellipsoid height - value of geoid undulation derived by bilinear interpolation of EGM2008 geoid model - 0.93m = EGM2008 height - 0.93m. See CRS code 3855 and transformation codes 3858 and 3859.

POM96 height

Extent: Papua New Guinea - onshore - Gulf province east of 144°24'E, Central province and National Capital District

```
Vertical::fromSRID(Vertical::EPSG_POM96_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7832')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_POM96_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7832')
```

POM96 height = WGS 84 ellipsoid height - value of geoid undulation derived by bilinear interpolation of EGM96 geoid model - 1.58m = EGM96 height - 1.58m. See CRS code 5773 and transformation code 10084.

PRVD02 height

Extent: Puerto Rico - onshore

```
Vertical::fromSRID(Vertical::EPSG_PRVD02_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6641')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PRVD02_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6641')
```

Replaces all earlier vertical CRSs for Puerto Rico.

Pago Pago 2020 height

Extent: American Samoa - Tutuila island

```
Vertical::fromSRID(Vertical::EPSG_PAGO_PAGO_2020_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9675')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PAGO_PAGO_2020_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9675')
```

Replaces ASVD02 height (CRS 6643) from March 2020.

Piraeus height

Extent: Greece - onshore

```
Vertical::fromSRID(Vertical::EPSG_PIRAEUS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5716')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PIRAEUS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5716')
```

Ponta Delgada depth

Extent: Portugal - eastern Azores - Sao Miguel island onshore

```
Vertical::fromSRID(Vertical::EPSG_PONTA_DELGADA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10378')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PONTA_DELGADA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10378')
```

Ponta Delgada height

Extent: Portugal - eastern Azores - Sao Miguel island onshore

```
Vertical::fromSRID(Vertical::EPSG_PONTA_DELGADA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6187')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_PONTA_DELGADA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6187')
```

Poolbeg height (ft(Br36))

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Vertical::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_FT_BR36)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5754')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_FT_BR36)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5754')
```

Topographic mapping before 1956 in Northern Ireland and 1970 in the Republic of Ireland. Replaced by Belfast Lough height and Malin Head height (CRS codes 5732 and 5731).

Poolbeg height (m)

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Vertical::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_M)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7962')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_M)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7962')
```

CRS in metres used only for transformation of heights referenced to Poolbeg height (ft). For CRS in feet see code 5754.

RH00 height

Extent: Sweden - onshore

```
Vertical::fromSRID(Vertical::EPSG_RH00_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5615')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_RH00_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5615')
```

Replaced by RH70 (CRS code 5718).

RH2000 height

Extent: Sweden - onshore

```
Vertical::fromSRID(Vertical::EPSG_RH2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5613')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5613')
```

Replaces RH70 (CRS code 5718) from 2005.

RH70 height

Extent: Sweden - onshore

```
Vertical::fromSRID(Vertical::EPSG_RH70_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5718')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_RH70_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5718')
```

Replaces RH00 (CRS code 5615). Replaced by RH2000 (CRS code 5613) from 2005.

Raiatea SAU 2001 height

Extent: French Polynesia - Society Islands - Raiatea

```
Vertical::fromSRID(Vertical::EPSG_RAIATEA_SAU_2001_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5603')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_RAIATEA_SAU_2001_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5603')
```

Part of NGPF (CRS code 5600).

Ras Ghumays height

Extent: United Arab Emirates (UAE) - Abu Dhabi onshore

```
Vertical::fromSRID(Vertical::EPSG_RAS_GHUMAYS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5843')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_RAS_GHUMAYS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5843')
```

Reunion 1989 height

Extent: Reunion - onshore

```
Vertical::fromSRID(Vertical::EPSG_REUNION_1989_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5758')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_REUNION_1989_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5758')
```

SA LLD height

Extent: South Africa - mainland onshore

```
Vertical::fromSRID(Vertical::EPSG_SA_LLD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9279')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SA_LLD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9279')
```

SHD height

Extent: Singapore - onshore and offshore

```
Vertical::fromSRID(Vertical::EPSG_SHD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6916')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SHD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6916')
```

SHVD2015 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Vertical::fromSRID(Vertical::EPSG_SHVD2015_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7890')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SHVD2015_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7890')
```

Replaces Jamestown 1971 height and Tritan 2011 height (CRS codes 7888-89) from 2016.

SLVD height

Extent: Sri Lanka - onshore

```
Vertical::fromSRID(Vertical::EPSG_SLVD_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5237')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SLVD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5237')
```

SNN76 height

Extent: Germany - states of former East Germany - Berlin, Brandenburg; Mecklenburg-Vorpommern; Sachsen; Sachsen-Anhalt; Thuringen

```
Vertical::fromSRID(Vertical::EPSG_SNN76_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5785')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SNN76_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5785')
```

Replaced by DNNH92 height (CRS code 5783).

SRB_VRS12 height

Extent: Serbia including Vojvodina

```
Vertical::fromSRID(Vertical::EPSG_SRB_VRS12_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8691')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SRB_VRS12_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8691')
```

Replaces Trieste height (CRS code 5195) in Serbia from 2012-03.

SRVN16 height

Extent: Argentina - onshore

```
Vertical::fromSRID(Vertical::EPSG_SRVN16_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9255')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SRVN16_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9255')
```

Orthometric heights. Replaces SRVN71.

SVD2006 height

Extent: Arctic (Norway (Svalbard) onshore and offshore) - between 81°10'N and 76°10'N

```
Vertical::fromSRID(Vertical::EPSG_SVD2006_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::20000')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SVD2006_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20000')
```

Defined through the arcgp-2006-sk geoid model.

SVS2000 height

Extent: Slovenia - onshore

```
Vertical::fromSRID(Vertical::EPSG_SVS2000_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5779')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SVS2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5779')
```

Replaces Trieste height (CRS code 5195) in Slovenia from 2000. Replaced by SVS2010 (CRS code 8690) from 2019-01.

SVS2010 height

Extent: Slovenia - onshore

```
Vertical::fromSRID(Vertical::EPSG_SVS2010_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8690')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SVS2010_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8690')
```

Replaces SVS2000 height (CRS code 5779) from 2019-01.

Santa Cruz da Graciosa depth

Extent: Portugal - central Azores - Graciosa island onshore

```
Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10376')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10376')
```

Santa Cruz da Graciosa height

Extent: Portugal - central Azores - Graciosa island onshore

```
Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6183')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6183')
```

Santa Cruz das Flores depth

Extent: Portugal - western Azores - Flores island onshore

```
Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10372')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10372')
```

Santa Cruz das Flores height

Extent: Portugal - western Azores onshore - Flores, Corvo

```
Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6185')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6185')
```

St. Helena Tritan 2011 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Vertical::fromSRID(Vertical::EPSG_ST_HELENA_TRITAN_2011_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::7889')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ST_HELENA_TRITAN_2011_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7889')
```

Replaced by SHVD2016 (CRS code 7890) from 2016.

St. Kilda height

Extent: United Kingdom (UK) - Great Britain - Scotland - St Kilda onshore

```
Vertical::fromSRID(Vertical::EPSG_ST_KILDA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5747')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ST_KILDA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5747')
```

Replaced by ODN (Offshore) height (CRS code 7707) in 2016.

St. Marys height

Extent: United Kingdom (UK) - Great Britain - England - Isles of Scilly onshore

```
Vertical::fromSRID(Vertical::EPSG_ST_MARYS_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5749')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ST_MARYS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5749')
```

Stewart Island 1977 height

Extent: New Zealand - Stewart Island

```
Vertical::fromSRID(Vertical::EPSG_STEWART_ISLAND_1977_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5772')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_STEWART_ISLAND_1977_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5772')
```

Stornoway height

Extent: United Kingdom (UK) - Great Britain - Scotland - Outer Hebrides onshore

```
Vertical::fromSRID(Vertical::EPSG_STORNOWAY_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5746')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_STORNOWAY_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5746')
```

Sule Skerry height

Extent: United Kingdom (UK) - Great Britain - Scotland - Sule Skerry onshore

```
Vertical::fromSRID(Vertical::EPSG_SULE_SKERRY_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5744')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_SULE_SKERRY_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5744')
```

Replaced by ODN (Offshore) height (CRS code 7707) in 2016.

TWVD 2001 height

Extent: Taiwan, Republic of China - onshore - Taiwan Island

```
Vertical::fromSRID(Vertical::EPSG_TWVD_2001_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8904')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TWVD_2001_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8904')
```

Replaces TWVD79.

Tahaa SAU 2001 height

Extent: French Polynesia - Society Islands - Tahaa

```
Vertical::fromSRID(Vertical::EPSG_TAHAA_SAU_2001_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5606')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TAHAA_SAU_2001_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5606')
```

Part of NGPF (CRS code 5600).

Taranaki 1970 height

Extent: New Zealand - North Island - Taranaki vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_TARANAKI_1970_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5769')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TARANAKI_1970_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5769')
```

Tararu 1952 height

Extent: New Zealand - North Island - Tararu vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_TARARU_1952_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5768')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TARARU_1952_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5768')
```

Tenerife height

Extent: Spain - Canary Islands - Tenerife onshore

```
Vertical::fromSRID(Vertical::EPSG_TENERIFE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::9398')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TENERIFE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9398')
```

Trieste height

Extent: Bosnia and Herzegovina; Croatia - onshore; Kosovo; Montenegro - onshore; North Macedonia; Serbia; Slovenia - onshore

```
Vertical::fromSRID(Vertical::EPSG_TRIESTE_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5195')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TRIESTE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5195')
```

In Croatia replaced by HVRS71 height (CRS code 5610). In Serbia replaced by SRB_VRS12 height (CRS code 8691). In Slovenia replaced by SVS2000 height (CRS code 5779).

Tutuila 1962 height

Extent: American Samoa - Tutuila island

```
Vertical::fromSRID(Vertical::EPSG_TUTUILA_1962_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6638')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_TUTUILA_1962_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6638')
```

Replaced by ASVD02 height (CRS code 6643).

VIVD09 height

Extent: US Virgin Islands - onshore - St Croix, St John, and St Thomas

```
Vertical::fromSRID(Vertical::EPSG_VIVD09_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::6642')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_VIVD09_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6642')
```

Replaces all earlier vertical CRSs on these islands.

Vienna height

Extent: Austria - Vienna city state

```
Vertical::fromSRID(Vertical::EPSG_VIENNA_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::8881')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_VIENNA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8881')
```

Defined from GHA height (EPSG:5778) using a vertical offset (Wiener Null is 156.68m above GHA height).

Wellington 1953 height

Extent: New Zealand - North Island - Wellington vertical CRS area

```
Vertical::fromSRID(Vertical::EPSG_WELLINGTON_1953_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5770')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_WELLINGTON_1953_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5770')
```

Yellow Sea 1956 height

Extent: China - onshore

```
Vertical::fromSRID(Vertical::EPSG_YELLOW_SEA_1956_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5736')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_YELLOW_SEA_1956_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5736')
```

Replaced by Yellow Sea 1985 height (CRS code 5737).

Yellow Sea 1985 height

Extent: China - onshore

```
Vertical::fromSRID(Vertical::EPSG_YELLOW_SEA_1985_HEIGHT)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::5737')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_YELLOW_SEA_1985_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5737')
```

Replaces Yellow Sea 1956 height (CRS code 5736).

ZH Portugal depth

Extent: Portugal - offshore

```
Vertical::fromSRID(Vertical::EPSG_ZH_PORTUGAL_DEPTH)
Vertical::fromSRID('urn:ogc:def:crs:EPSG::10349')
CoordinateReferenceSystem::fromSRID(Vertical::EPSG_ZH_PORTUGAL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10349')
```

1.6.6 Compound

Tip: You can access the list of supported compound CRSs at runtime using `Compound::getSupportedSRIDs()` or `Compound::getSupportedSRIDsWithHelp()`

AbInvA96_2020 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the A96 highway from Aberdeen to Inverness

```
Compound::fromSRID(Compound::EPSG_ABINVA96_2020_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9388')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ABINVA96_2020_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9388')
```

Amersfoort / RD New + NAP height

Extent: Netherlands - onshore, including Waddenzee, Dutch Wadden Islands and 12-mile offshore coastal zone

```
Compound::fromSRID(Compound::EPSG_AMERSFOORT_RD_NEW_PLUS_NAP_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7415')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_AMERSFOORT_RD_NEW_PLUS_NAP_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7415')
```

Astro DOS 71 / UTM zone 30S + Jamestown 1971 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Compound::fromSRID(Compound::EPSG_ASTRO_DOS_71_UTM_ZONE_30S_PLUS_JAMESTOWN_1971_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7954')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ASTRO_DOS_71_UTM_ZONE_30S_PLUS_
↪JAMESTOWN_1971_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7954')
```

BD72 / Belgian Lambert 72 + Ostend height

Extent: Belgium - onshore

```
Compound::fromSRID(Compound::EPSG_BD72_BELGIAN_LAMBERT_72_PLUS_OSTEND_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6190')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_BD72_BELGIAN_LAMBERT_72_PLUS_OSTEND_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6190')
```

CIGD11 + CBVD61 height (ft)

Extent: Cayman Islands - Cayman Brac

```
Compound::fromSRID(Compound::EPSG_CIGD11_PLUS_CBVD61_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9502')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_CIGD11_PLUS_CBVD61_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9502')
```

CIGD11 + GCVD54 height (ft)

Extent: Cayman Islands - Grand Cayman

```
Compound::fromSRID(Compound::EPSG_CIGD11_PLUS_GCVD54_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9503')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_CIGD11_PLUS_GCVD54_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9503')
```

CIGD11 + LCVD61 height (ft)

Extent: Cayman Islands - Little Cayman

```
Compound::fromSRID(Compound::EPSG_CIGD11_PLUS_LCVD61_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9504')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_CIGD11_PLUS_LCVD61_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9504')
```

CNH22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Crewe via Chester to Holyhead

```
Compound::fromSRID(Compound::EPSG_CNH22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10195')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_CNH22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10195')
```

COV23 Grid + ODN height

Extent: United Kingdom (UK) - in and around the area of Coventry city centre and the route to Birmingham airport

```
Compound::fromSRID(Compound::EPSG_COV23_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10472')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_COV23_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10472')
```

CR-SIRGAS / CRTM05 + DACR52 height

Extent: Costa Rica - onshore

```
Compound::fromSRID(Compound::EPSG_CR_SIRGAS_CRTM05_PLUS_DACR52_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8912')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_CR_SIRGAS_CRTM05_PLUS_DACR52_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8912')
```

With geoid model and gravity, part of official national dynamic geodetic framework from April 2018.

CWS13 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from from Chester via Wrexham to Shrewsbury

```
Compound::fromSRID(Compound::EPSG_CWS13_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10200')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_CWS13_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10200')
```

DB_REF / 3-degree Gauss-Kruger zone 2 (E-N) + DHHN92 height

Extent: Germany - former West Germany onshore west of 7°30'E - states of Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland

```
Compound::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_N_PLUS_DHHN92_
↪HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5832')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_
↪N_PLUS_DHHN92_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5832')
```

DB_REF / 3-degree Gauss-Kruger zone 3 (E-N) + DHHN92 height

Extent: Germany - onshore between 7°30'E and 10°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N_PLUS_DHHN92_
↪HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5833')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_
↪N_PLUS_DHHN92_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5833')
```

DB_REF / 3-degree Gauss-Kruger zone 4 (E-N) + DHHN92 height

Extent: Germany - onshore between 10°30'E and 13°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N_PLUS_DHHN92_
↪HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5834')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_
↪N_PLUS_DHHN92_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5834')
```

DB_REF / 3-degree Gauss-Kruger zone 5 (E-N) + DHHN92 height

Extent: Germany - onshore east of 13°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N_PLUS_DHHN92_
↪HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5835')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_
↪N_PLUS_DHHN92_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5835')
```

DB_REF2003 zone 2

Extent: Germany - former West Germany onshore west of 7°30'E - states of Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland

```
Compound::fromSRID(Compound::EPSG_DB_REF2003_ZONE_2)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9928')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2003_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9928')
```

On the introduction of DB_REF2016 height, this compound CRS replaced by DB_REF2016 zone 2 (CRS code 9932).

DB_REF2003 zone 3

Extent: Germany - onshore between 7°30'E and 10°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF2003_ZONE_3)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9929')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2003_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9929')
```

On the introduction of DB_REF2016 height, this compound CRS replaced by DB_REF2016 zone 3 (CRS code 9933).

DB_REF2003 zone 4

Extent: Germany - onshore between 10°30'E and 13°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF2003_ZONE_4)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9930')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2003_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9930')
```

On the introduction of DB_REF2016 height, this compound CRS replaced by DB_REF2016 zone 4 (CRS code 9934).

DB_REF2003 zone 5

Extent: Germany - onshore east of 13°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF2003_ZONE_5)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9931')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2003_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9931')
```

On the introduction of DB_REF2016 height, this compound CRS replaced by DB_REF2016 zone 5 (CRS code 9935).

DB_REF2016 zone 2

Extent: Germany - former West Germany onshore west of 7°30'E - states of Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland

```
Compound::fromSRID(Compound::EPSG_DB_REF2016_ZONE_2)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9932')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2016_ZONE_2)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9932')
```

Replaces DB_REF2003 zone 2 (compound CRS code 9928).

DB_REF2016 zone 3

Extent: Germany - onshore between 7°30'E and 10°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF2016_ZONE_3)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9933')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2016_ZONE_3)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9933')
```

Replaces DB_REF2003 zone 3 (compound CRS code 9929).

DB_REF2016 zone 4

Extent: Germany - onshore between 10°30'E and 13°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF2016_ZONE_4)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9934')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2016_ZONE_4)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9934')
```

Replaces DB_REF2003 zone 4 (compound CRS code 9930).

DB_REF2016 zone 5

Extent: Germany - onshore east of 13°30'E

```
Compound::fromSRID(Compound::EPSG_DB_REF2016_ZONE_5)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9935')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DB_REF2016_ZONE_5)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9935')
```

Replaces DB_REF2003 zone 5 (compound CRS code 9931).

DIBA15 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Didcot to Banbury

```
Compound::fromSRID(Compound::EPSG_DIBA15_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10208')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DIBA15_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10208')
```

DoPw22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Dovey Junction to Pwllheli

```
Compound::fromSRID(Compound::EPSG_DOPW22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10184')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_DOPW22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10184')
```

EBBWV14 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Newport (Park Junction) to Ebbw Vale

```
Compound::fromSRID(Compound::EPSG_EBBWV14_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9944')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_EBBWV14_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9944')
```

ECML14_NB Grid + ODN height

Extent: United Kingdom (UK) - on or related to rail routes from Newcastle Central to Ashington via Benton North Junction, and the section from Bedlington to Morpeth

```
Compound::fromSRID(Compound::EPSG_ECML14_NB_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9762')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ECML14_NB_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9762')
```

EOS21 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the complex of rail routes in the East of Scotland, incorporating the route from Tweedbank through the Borders to Edinburgh; the line from Edinburgh to Aberdeen; routes via Kirkaldy and Cowdenbeath; and routes via Leuchars and Perth to Dundee.

```
Compound::fromSRID(Compound::EPSG_EOS21_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9742')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_EOS21_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9742')
```

ETRF2000-PL + Baltic 1986 height

Extent: Poland - onshore

```
Compound::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_BALTIC_1986_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9656')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_BALTIC_1986_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9656')
```

ETRF2000-PL + EVRF2007-PL height

Extent: Poland - onshore

```
Compound::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_EVRF2007_PL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9657')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_EVRF2007_PL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9657')
```

ETRS89 + Alboran height

Extent: Spain - Alboran island - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ALBORAN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10356')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_ALBORAN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10356')
```

ETRS89 + Alicante height

Extent: Gibraltar - onshore; Spain - mainland onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ALICANTE_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9505')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_ALICANTE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9505')
```

ETRS89 + BI height

Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland) and Northern Ireland. Ireland onshore. Isle of Man onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_BI_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9452')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_BI_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9452')
```

ETRS89 + Baltic 1957 height

Extent: Czechia; Slovakia

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_BALTIC_1957_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8360')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_BALTIC_1957_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8360')
```

ETRS89 + Belfast height

Extent: United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_BELFAST_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9450')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_BELFAST_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9450')
```

ETRS89 + CD Norway depth

Extent: Norway - inshore and nearshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CD_NORWAY_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9883')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_CD_NORWAY_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9883')
```

ETRS89 + CD UK & Ireland VORF08 depth

Extent: Ireland and United Kingdom (UK) (including Isle of Man and Channel Islands) - inshore, nearshore and offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CD_UK_AND_IRELAND_VORF08_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10157')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_CD_UK_AND_IRELAND_VORF08_
↪DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10157')
```

ETRS89 + Cagliari 1956 height

Extent: Italy - Sardinia onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CAGLIARI_1956_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9725')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_CAGLIARI_1956_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9725')
```

ETRS89 + Cascais height

Extent: Portugal - mainland - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CASCAIS_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10545')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_CASCAIS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10545')
```

ETRS89 + Catania 1965 height

Extent: Italy - Sicily onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CATANIA_1965_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9724')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_CATANIA_1965_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9724')
```

ETRS89 + Ceuta 2 height

Extent: Spain - Ceuta onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CEUTA_2_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9506')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_CEUTA_2_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9506')
```

ETRS89 + DHHN2016 height

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DHHN2016_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9924')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DHHN2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9924')
```

ETRS89 + DKLAT(2022) depth

Extent: Denmark - offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DKLAT_2022_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10554')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DKLAT_2022_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10554')
```

ETRS89 + DKLAT(2023) depth

Extent: Denmark - offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DKLAT_2023_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10556')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DKLAT_2023_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10556')
```

ETRS89 + DKMSL(2022) depth

Extent: Denmark - offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DKMSL_2022_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10553')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DKMSL_2022_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10553')
```

ETRS89 + DKMSL(2023) depth

Extent: Denmark - offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DKMSL_2023_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10555')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DKMSL_2023_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10555')
```

ETRS89 + DVR90(2002) height

Extent: Denmark - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DVR90_2002_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10486')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DVR90_2002_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10486')
```

ETRS89 + DVR90(2013) height

Extent: Denmark - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DVR90_2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10487')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DVR90_2013_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10487')
```

ETRS89 + DVR90(2023) height

Extent: Denmark - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DVR90_2023_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10488')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DVR90_2023_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10488')
```

ETRS89 + Douglas height

Extent: Isle of Man - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DOUGLAS_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9429')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_DOUGLAS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9429')
```

ETRS89 + EVRF2000 Austria height

Extent: Austria

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2000_AUSTRIA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9500')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2000_AUSTRIA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9500')
```

ETRS89 + EVRF2000 height

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar; Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7409')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7409')
```

Replaced by ETRS89 + EVRF2007 height (CRS code 7423).

ETRS89 + EVRF2007 height

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2007_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7423')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2007_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7423')
```

Replaces ETRS89 + EVRF2000 height (CRS code 7409).

ETRS89 + EVRF2019 height

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; North Macedonia; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2019_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9422')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2019_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9422')
```

Replaces ETRS89 + EVRF2007 height (CRS code 7423). See also ETRS89 + EVRF2019 mean-tide height (CRS code 9423).

ETRS89 + EVRF2019 mean-tide height

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; North Macedonia; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2019_MEAN_TIDE_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9423')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2019_MEAN_TIDE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9423')
```

See also ETRS89 + EVRF2019 (CRS code 9422).

ETRS89 + Formentera height

Extent: Spain - Balearic Islands - Formentera - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_FORMENTERA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10355')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_FORMENTERA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10355')
```

ETRS89 + Genoa 1942 height

Extent: Italy - mainland (including San Marino and Vatican City State) and Sicily

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_GENOA_1942_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9723')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_GENOA_1942_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9723')
```

ETRS89 + Ibiza height

Extent: Spain - Balearic Islands - Ibiza - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_IBIZA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9507')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_IBIZA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9507')
```

ETRS89 + LAT NL depth

Extent: Netherlands - offshore North Sea and nearshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_LAT_NL_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9289')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_LAT_NL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9289')
```

ETRS89 + Lerwick height

Extent: United Kingdom (UK) - Great Britain - Scotland - Shetland Islands onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_LERWICK_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9427')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_LERWICK_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9427')
```

ETRS89 + MSL NL depth

Extent: Netherlands - offshore North Sea and nearshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MSL_NL_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9290')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_MSL_NL_DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9290')
```

ETRS89 + MSL UK & Ireland VORF08 depth

Extent: Ireland and United Kingdom (UK) (including Isle of Man and Channel Islands) - inshore, nearshore and offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MSL_UK_AND_IRELAND_VORF08_DEPTH)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10156')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_MSL_UK_AND_IRELAND_VORF08_
↪DEPTH)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10156')
```

ETRS89 + Malin Head height

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MALIN_HEAD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9449')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_MALIN_HEAD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9449')
```

ETRS89 + Mallorca height

Extent: Spain - Balearic Islands - Mallorca onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MALLORCA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9508')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_MALLORCA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9508')
```

ETRS89 + Melilla height

Extent: Spain - Melilla onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MELILLA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10357')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_MELILLA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10357')
```

ETRS89 + Menorca height

Extent: Spain - Balearic Islands - Menorca onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MENORCA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9509')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_MENORCA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9509')
```

ETRS89 + NAP height

Extent: Netherlands - onshore and offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NAP_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9286')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_NAP_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9286')
```

ETRS89 + NN2000 height

Extent: Norway - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5942')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5942')
```

ETRS89 + NN54 height

Extent: Norway - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6144')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6144')
```

Replaced by ETRS89 + NN2000 height (compound CRS code 5942).

ETRS89 + ODN (Offshore) height

Extent: United Kingdom (UK) - offshore between 2km from shore and boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_OFFSHORE_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9425')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_OFFSHORE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9425')
```

ETRS89 + ODN Orkney height

Extent: United Kingdom (UK) - Great Britain - Scotland - Orkney Islands onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_ORKNEY_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9426')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_ORKNEY_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9426')
```

ETRS89 + ODN height

Extent: United Kingdom (UK) - Great Britain onshore - England and Wales - mainland; Scotland - mainland and Inner Hebrides

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9424')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9424')
```

ETRS89 + Ostend height

Extent: Belgium - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_OSTEND_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9907')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_OSTEND_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9907')
```

ETRS89 + SVD2006 height

Extent: Arctic (Norway (Svalbard) onshore and offshore) - between 81°10'N and 76°10'N

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_SVD2006_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::20001')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_SVD2006_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20001')
```

ETRS89 + St. Marys height

Extent: United Kingdom (UK) - Great Britain - England - Isles of Scilly onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ST_MARYS_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9430')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_ST_MARYS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9430')
```

ETRS89 + Stornoway height

Extent: United Kingdom (UK) - Great Britain - Scotland - Outer Hebrides onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_STORNOWAY_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9428')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_PLUS_STORNOWAY_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9428')
```

ETRS89 / Belgian Lambert 2008 + Ostend height

Extent: Belgium - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_BELGIAN_LAMBERT_2008_PLUS_OSTEND_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8370')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_BELGIAN_LAMBERT_2008_PLUS_
↪OSTEND_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8370')
```

ETRS89 / DKTM1 + DVR90 height

Extent: Denmark - Jutland onshore west of 10°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_DKTM1_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::4097')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_DKTM1_PLUS_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4097')
```

ETRS89 / DKTM2 + DVR90 height

Extent: Denmark - onshore - Jutland east of 9°E and Funen

```
Compound::fromSRID(Compound::EPSG_ETRS89_DKTM2_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::4098')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_DKTM2_PLUS_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4098')
```

ETRS89 / DKTM3 + DVR90 height

Extent: Denmark - Zealand and Lolland (onshore)

```
Compound::fromSRID(Compound::EPSG_ETRS89_DKTM3_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::4099')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_DKTM3_PLUS_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4099')
```

ETRS89 / DKTM4 + DVR90 height

Extent: Denmark - Bornholm onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_DKTM4_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::4100')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_DKTM4_PLUS_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::4100')
```

ETRS89 / Faroe TM + FVR09 height

Extent: Faroe Islands - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_FAROE_TM_PLUS_FVR09_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5318')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_FAROE_TM_PLUS_FVR09_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5318')
```

Introduced in 2010.

ETRS89 / ITM + BI height

Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_ITM_PLUS_BI_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9922')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_ITM_PLUS_BI_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9922')
```

ETRS89 / Kp2000 Bornholm + DVR90 height

Extent: Denmark - Bornholm onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_KP2000_BORNHOLM_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7420')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_KP2000_BORNHOLM_PLUS_DVR90_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7420')
```

ETRS89 / Kp2000 Jutland + DVR90 height

Extent: Denmark - Jutland and Funen - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_KP2000_JUTLAND_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7418')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_KP2000_JUTLAND_PLUS_DVR90_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7418')
```

ETRS89 / Kp2000 Zealand + DVR90 height

Extent: Denmark - Zealand and Lolland (onshore)

```
Compound::fromSRID(Compound::EPSG_ETRS89_KP2000_ZEALAND_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7419')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_KP2000_ZEALAND_PLUS_DVR90_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7419')
```

ETRS89 / NTM zone 10 + NN2000 height

Extent: Norway - onshore - between 10°E and 11°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_10_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5950')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_10_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5950')
```

ETRS89 / NTM zone 10 + NN54 height

Extent: Norway - onshore - between 10°E and 11°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_10_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6150')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_10_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6150')
```

Replaced by ETRS89 / NTM zone 10 + NN2000 height (compound CRS code 5950).

ETRS89 / NTM zone 11 + NN2000 height

Extent: Norway - onshore - between 11°E and 12°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_11_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5951')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_11_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5951')
```

ETRS89 / NTM zone 11 + NN54 height

Extent: Norway - onshore - between 11°E and 12°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_11_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6151')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_11_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6151')
```

Replaced by ETRS89 / NTM zone 11 + NN2000 height (compound CRS code 5951).

ETRS89 / NTM zone 12 + NN2000 height

Extent: Norway - onshore - between 12°E and 13°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_12_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5952')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_12_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5952')
```

ETRS89 / NTM zone 12 + NN54 height

Extent: Norway - onshore - between 12°E and 13°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_12_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6152')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_12_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6152')
```

Replaced by ETRS89 / NTM zone 12 + NN2000 height (compound CRS code 5952).

ETRS89 / NTM zone 13 + NN2000 height

Extent: Norway - onshore - between 13°E and 14°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_13_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5953')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_13_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5953')
```

ETRS89 / NTM zone 13 + NN54 height

Extent: Norway - onshore - between 13°E and 14°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_13_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6153')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_13_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6153')
```

Replaced by ETRS89 / NTM zone 13 + NN2000 height (compound CRS code 5953).

ETRS89 / NTM zone 14 + NN2000 height

Extent: Norway - onshore - between 14°E and 15°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_14_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5954')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_14_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5954')
```

ETRS89 / NTM zone 14 + NN54 height

Extent: Norway - onshore - between 14°E and 15°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_14_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6154')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_14_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6154')
```

Replaced by ETRS89 / NTM zone 14 + NN2000 height (compound CRS code 5954).

ETRS89 / NTM zone 15 + NN2000 height

Extent: Norway - onshore - between 15°E and 16°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_15_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5955')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_15_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5955')
```

ETRS89 / NTM zone 15 + NN54 height

Extent: Norway - onshore - between 15°E and 16°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_15_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6155')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_15_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6155')
```

Replaced by ETRS89 / NTM zone 15 + NN2000 height (compound CRS code 5955).

ETRS89 / NTM zone 16 + NN2000 height

Extent: Norway - onshore - between 16°E and 17°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_16_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5956')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_16_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5956')
```

ETRS89 / NTM zone 16 + NN54 height

Extent: Norway - onshore - between 16°E and 17°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_16_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6156')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_16_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6156')
```

Replaced by ETRS89 / NTM zone 16 + NN2000 height (compound CRS code 5956).

ETRS89 / NTM zone 17 + NN2000 height

Extent: Norway - onshore - between 17°E and 18°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_17_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5957')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_17_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5957')
```

ETRS89 / NTM zone 17 + NN54 height

Extent: Norway - onshore - between 17°E and 18°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_17_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6157')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_17_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6157')
```

Replaced by ETRS89 / NTM zone 17 + NN2000 height (compound CRS code 5957).

ETRS89 / NTM zone 18 + NN2000 height

Extent: Norway - onshore - between 18°E and 19°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_18_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5958')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_18_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5958')
```

ETRS89 / NTM zone 18 + NN54 height

Extent: Norway - onshore - between 18°E and 19°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_18_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6158')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_18_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6158')
```

Replaced by ETRS89 / NTM zone 18 + NN2000 height (compound CRS code 5958).

ETRS89 / NTM zone 19 + NN2000 height

Extent: Norway - onshore - between 19°E and 20°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_19_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5959')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_19_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5959')
```

ETRS89 / NTM zone 19 + NN54 height

Extent: Norway - onshore - between 19°E and 20°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_19_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6159')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_19_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6159')
```

Replaced by ETRS89 / NTM zone 19 + NN2000 height (compound CRS code 5959).

ETRS89 / NTM zone 20 + NN2000 height

Extent: Norway - onshore - between 20°E and 21°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_20_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5960')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_20_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5960')
```

ETRS89 / NTM zone 20 + NN54 height

Extent: Norway - onshore - between 20°E and 21°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_20_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6160')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_20_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6160')
```

Replaced by ETRS89 / NTM zone 20 + NN2000 height (compound CRS code 5960).

ETRS89 / NTM zone 21 + NN2000 height

Extent: Norway - onshore - between 21°E and 22°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_21_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5961')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_21_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5961')
```

ETRS89 / NTM zone 21 + NN54 height

Extent: Norway - onshore - between 21°E and 22°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_21_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6161')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_21_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6161')
```

Replaced by ETRS89 / NTM zone 21 + NN2000 height (compound CRS code 5961).

ETRS89 / NTM zone 22 + NN2000 height

Extent: Norway - onshore - between 22°E and 23°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_22_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5962')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_22_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5962')
```

ETRS89 / NTM zone 22 + NN54 height

Extent: Norway - onshore - between 22°E and 23°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_22_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6162')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_22_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6162')
```

Replaced by ETRS89 / NTM zone 22 + NN2000 height (compound CRS code 5962).

ETRS89 / NTM zone 23 + NN2000 height

Extent: Norway - onshore - between 23°E and 24°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_23_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5963')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_23_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5963')
```

ETRS89 / NTM zone 23 + NN54 height

Extent: Norway - onshore - between 23°E and 24°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_23_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6163')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_23_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6163')
```

Replaced by ETRS89 / NTM zone 23 + NN2000 height (compound CRS code 5963).

ETRS89 / NTM zone 24 + NN2000 height

Extent: Norway - onshore - between 24°E and 25°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_24_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5964')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_24_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5964')
```

ETRS89 / NTM zone 24 + NN54 height

Extent: Norway - onshore - between 24°E and 25°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_24_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6164')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_24_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6164')
```

Replaced by ETRS89 / NTM zone 24 + NN2000 height (compound CRS code 5964).

ETRS89 / NTM zone 25 + NN2000 height

Extent: Norway - onshore - between 25°E and 26°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_25_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5965')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_25_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5965')
```

ETRS89 / NTM zone 25 + NN54 height

Extent: Norway - onshore - between 25°E and 26°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_25_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6165')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_25_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6165')
```

Replaced by ETRS89 / NTM zone 25 + NN2000 height (compound CRS code 5965).

ETRS89 / NTM zone 26 + NN2000 height

Extent: Norway - onshore - between 26°E and 27°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_26_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5966')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_26_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5966')
```

ETRS89 / NTM zone 26 + NN54 height

Extent: Norway - onshore - between 26°E and 27°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_26_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6166')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_26_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6166')
```

Replaced by ETRS89 / NTM zone 26 + NN2000 height (compound CRS code 5966).

ETRS89 / NTM zone 27 + NN2000 height

Extent: Norway - onshore - between 27°E and 28°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_27_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5967')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_27_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5967')
```

ETRS89 / NTM zone 27 + NN54 height

Extent: Norway - onshore - between 27°E and 28°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_27_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6167')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_27_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6167')
```

Replaced by ETRS89 / NTM zone 27 + NN2000 height (compound CRS code 5967).

ETRS89 / NTM zone 28 + NN2000 height

Extent: Norway - onshore - between 28°E and 29°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_28_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5968')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_28_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5968')
```

ETRS89 / NTM zone 28 + NN54 height

Extent: Norway - onshore - between 28°E and 29°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_28_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6168')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_28_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6168')
```

Replaced by ETRS89 / NTM zone 28 + NN2000 height (compound CRS code 5968).

ETRS89 / NTM zone 29 + NN2000 height

Extent: Norway - onshore - between 29°E and 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_29_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5969')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_29_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5969')
```

ETRS89 / NTM zone 29 + NN54 height

Extent: Norway - onshore - between 29°E and 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_29_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6169')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_29_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6169')
```

Replaced by ETRS89 / NTM zone 29 + NN2000 height (compound CRS code 5969).

ETRS89 / NTM zone 30 + NN2000 height

Extent: Norway - onshore - east of 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_30_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5970')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_30_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5970')
```

ETRS89 / NTM zone 30 + NN54 height

Extent: Norway - onshore - east of 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_30_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6170')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_30_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6170')
```

Replaced by ETRS89 / NTM zone 30 + NN2000 height (compound CRS code 5970).

ETRS89 / NTM zone 5 + NN2000 height

Extent: Norway - onshore - west of 6°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_5_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5945')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_5_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5945')
```

ETRS89 / NTM zone 5 + NN54 height

Extent: Norway - onshore - west of 6°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_5_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6145')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_5_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6145')
```

Replaced by ETRS89 / NTM zone 5 + NN2000 height (compound CRS code 5945).

ETRS89 / NTM zone 6 + NN2000 height

Extent: Norway - onshore - between 6°E and 7°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_6_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5946')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_6_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5946')
```

ETRS89 / NTM zone 6 + NN54 height

Extent: Norway - onshore - between 6°E and 7°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_6_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6146')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_6_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6146')
```

Replaced by ETRS89 / NTM zone 6 + NN2000 height (compound CRS code 5946).

ETRS89 / NTM zone 7 + NN2000 height

Extent: Norway - onshore - between 7°E and 8°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_7_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5947')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_7_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5947')
```

ETRS89 / NTM zone 7 + NN54 height

Extent: Norway - onshore - between 7°E and 8°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_7_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6147')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_7_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6147')
```

Replaced by ETRS89 / NTM zone 7 + NN2000 height (compound CRS code 5947).

ETRS89 / NTM zone 8 + NN2000 height

Extent: Norway - onshore - between 8°E and 9°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_8_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5948')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_8_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5948')
```

ETRS89 / NTM zone 8 + NN54 height

Extent: Norway - onshore - between 8°E and 9°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_8_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6148')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_8_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6148')
```

Replaced by ETRS89 / NTM zone 8 + NN2000 height (compound CRS code 5948).

ETRS89 / NTM zone 9 + NN2000 height

Extent: Norway - onshore - between 9°E and 10°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_9_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5949')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_9_PLUS_NN2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5949')
```

ETRS89 / NTM zone 9 + NN54 height

Extent: Norway - onshore - between 9°E and 10°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_9_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6149')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_NTM_ZONE_9_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6149')
```

Replaced by ETRS89 / NTM zone 9 + NN2000 height (compound CRS code 5949).

ETRS89 / TM35FIN(N,E) + N2000 height

Extent: Finland - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_TM35FIN_N_E_PLUS_N2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::3903')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_TM35FIN_N_E_PLUS_N2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3903')
```

Replaces ETRS89 / TM35FIN(N,E) + N60 height (CRS code 3902).

ETRS89 / TM35FIN(N,E) + N60 height

Extent: Finland - onshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_TM35FIN_N_E_PLUS_N60_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::3902')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_TM35FIN_N_E_PLUS_N60_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3902')
```

Replaces YKJ/N60 (CRS code 3901). Replaced by ETRS89-TM35FIN(N,E)/N2000 (CRS code 3903).

ETRS89 / UTM zone 31N + DHHN92 height

Extent: Germany - onshore west of 6°E - Nordrhein-Westfalen

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_31N_PLUS_DHHN92_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5554')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_31N_PLUS_DHHN92_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5554')
```

ETRS89 / UTM zone 31N + NN2000 height

Extent: Norway - onshore - west of 6°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_31N_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5971')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_31N_PLUS_NN2000_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5971')
```

ETRS89 / UTM zone 31N + NN54 height

Extent: Norway - onshore - west of 6°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_31N_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6171')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_31N_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6171')
```

Replaced by ETRS89 / UTM zone 31N + NN2000 height (compound CRS code 5971).

ETRS89 / UTM zone 32N + DHHN92 height

Extent: Germany - onshore between 6°E and 12°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_DHHN92_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5555')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_DHHN92_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5555')
```

ETRS89 / UTM zone 32N + DVR90 height

Extent: Denmark - onshore west of 12°E - Zealand, Jutland, Fuen and Lolland

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7416')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7416')
```

ETRS89 / UTM zone 32N + NN2000 height

Extent: Norway - onshore - between 6°E and 12°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5972')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_NN2000_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5972')
```

ETRS89 / UTM zone 32N + NN54 height

Extent: Norway - onshore - between 6°E and 12°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6172')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_32N_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6172')
```

Replaced by ETRS89 / UTM zone 32N + NN2000 height (compound CRS code 5972).

ETRS89 / UTM zone 33N + DHHN92 height

Extent: Germany - onshore east of 12°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_DHHN92_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5556')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_DHHN92_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5556')
```

ETRS89 / UTM zone 33N + DVR90 height

Extent: Denmark - onshore east of 12°E - Zealand and Falster, Bornholm

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_DVR90_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7417')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_DVR90_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7417')
```

ETRS89 / UTM zone 33N + NN2000 height

Extent: Norway - onshore - between 12°E and 18°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5973')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_NN2000_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5973')
```

ETRS89 / UTM zone 33N + NN54 height

Extent: Norway - onshore - between 12°E and 18°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6173')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_33N_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6173')
```

Replaced by ETRS89 / UTM zone 33N + NN2000 height (compound CRS code 5973).

ETRS89 / UTM zone 34N + NN2000 height

Extent: Norway - onshore - between 18°E and 24°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_34N_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5974')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_34N_PLUS_NN2000_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5974')
```

ETRS89 / UTM zone 34N + NN54 height

Extent: Norway - onshore - between 18°E and 24°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_34N_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6174')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_34N_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6174')
```

Replaced by ETRS89 / UTM zone 34N + NN2000 height (compound CRS code 5974).

ETRS89 / UTM zone 35N + NN2000 height

Extent: Norway - onshore - between 24°E and 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_35N_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5975')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_35N_PLUS_NN2000_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5975')
```

ETRS89 / UTM zone 35N + NN54 height

Extent: Norway - onshore - between 24°E and 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_35N_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6175')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_35N_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6175')
```

Replaced by ETRS89 / UTM zone 35N + NN2000 height (compound CRS code 5975).

ETRS89 / UTM zone 36N + NN2000 height

Extent: Norway - onshore - east of 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_36N_PLUS_NN2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5976')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_36N_PLUS_NN2000_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5976')
```

ETRS89 / UTM zone 36N + NN54 height

Extent: Norway - onshore - east of 30°E

```
Compound::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_36N_PLUS_NN54_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6176')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_UTM_ZONE_36N_PLUS_NN54_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6176')
```

Replaced by ETRS89 / UTM zone 36N + NN2000 height (compound CRS code 5976).

ETRS89/DREF91/2016 + DHHN2016 height

Extent: Germany - onshore and offshore

```
Compound::fromSRID(Compound::EPSG_ETRS89_DREF91_2016_PLUS_DHHN2016_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10293')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ETRS89_DREF91_2016_PLUS_DHHN2016_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10293')
```

EWR2 Grid + ODN height

Extent: United Kingdom (UK) - on or related to East West Rail (Phase 2) routes from Oxford to Bicester, Bletchley and Bedford, and from Claydon Junction to Aylesbury and Princes Risborough

```
Compound::fromSRID(Compound::EPSG_EWR2_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9767')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_EWR2_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9767')
```

FEH2010 + FCSVR10 height

Extent: Fehmarnbelt area of Denmark and Germany

```
Compound::fromSRID(Compound::EPSG_FEH2010_PLUS_FCSVR10_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9519')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_FEH2010_PLUS_FCSVR10_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9519')
```

FEH2010 / Fehmarnbelt TM + FCSVR10 height

Extent: Fehmarnbelt area of Denmark and Germany

```
Compound::fromSRID(Compound::EPSG_FEH2010_FEHMARNBELT_TM_PLUS_FCSVR10_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5598')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_FEH2010_FEHMARNBELT_TM_PLUS_FCSVR10_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5598')
```

FNL22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Inverness to Thurso and Wick

```
Compound::fromSRID(Compound::EPSG_FNL22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9978')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_FNL22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9978')
```

GBK19 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Glasgow to Kilmarnock via Barrhead and the branch to East Kilbride

```
Compound::fromSRID(Compound::EPSG_GBK19_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9457')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GBK19_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9457')
```

GDA2020 + AHD height

Extent: Australia - Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Western Australia and Victoria - onshore. Christmas Island - onshore. Cocos and Keeling Islands - onshore

```
Compound::fromSRID(Compound::EPSG_GDA2020_PLUS_AHD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9463')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GDA2020_PLUS_AHD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9463')
```

GDA2020 + AVWS height

Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Compound::fromSRID(Compound::EPSG_GDA2020_PLUS_AVWS_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9462')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GDA2020_PLUS_AVWS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9462')
```

GDA94 + AHD height

Extent: Australia - Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Western Australia and Victoria - onshore. Christmas Island - onshore. Cocos and Keeling Islands - onshore

```
Compound::fromSRID(Compound::EPSG_GDA94_PLUS_AHD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9464')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GDA94_PLUS_AHD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9464')
```

GR96 + GVR2000 height

Extent: Greenland - onshore and offshore between 59°N and 84°N and west of 10°W

```
Compound::fromSRID(Compound::EPSG_GR96_PLUS_GVR2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8349')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GR96_PLUS_GVR2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8349')
```

Replaced by GR96 + GVR2016 height (CRS code 8350).

GR96 + GVR2016 height

Extent: Greenland - onshore and offshore between 58°N and 85°N and west of 7°W

```
Compound::fromSRID(Compound::EPSG_GR96_PLUS_GVR2016_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8350')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GR96_PLUS_GVR2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8350')
```

Replaces GR96 + GVR2000 height (CRS code 8349).

GWPBS22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from London (Paddington) to Swansea

```
Compound::fromSRID(Compound::EPSG_GWPBS22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10213')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GWPBS22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10213')
```

GWWAB22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail routes around Cardiff and the valleys

```
Compound::fromSRID(Compound::EPSG_GWWAB22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10218')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GWWAB22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10218')
```

GWWWA22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail routes from Swansea to Pembroke Dock, Milford Haven and Fishguard

```
Compound::fromSRID(Compound::EPSG_GWWWA22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10223')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_GWWWA22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10223')
```

HS2 Survey Grid + HS2-VRF height

Extent: United Kingdom (UK) - HS2 phases 1 and 2a railway corridor from London to Birmingham, Lichfield and Crewe

```
Compound::fromSRID(Compound::EPSG_HS2_SURVEY_GRID_PLUS_HS2_VRF_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9306')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_HS2_SURVEY_GRID_PLUS_HS2_VRF_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9306')
```

Realized by use of HS2TN15 transformation and HS2GM15 geoid model from ETRS89 OSNet v2009.

HULLEE13 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from the Morley tunnel through Leeds to Hull

```
Compound::fromSRID(Compound::EPSG_HULLEE13_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9968')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_HULLEE13_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9968')
```

ISN2004 + ISH2004 height

Extent: Iceland - onshore

```
Compound::fromSRID(Compound::EPSG_ISN2004_PLUS_ISH2004_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9949')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ISN2004_PLUS_ISH2004_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9949')
```

Replaces ISN93 + ISH2004 height (CRS code 9948). Replaced by ISN2016 + ISH2004 height (CRS code 9950).

ISN2004 / Lambert 2004 + ISH2004 height

Extent: Iceland - onshore

```
Compound::fromSRID(Compound::EPSG_ISN2004_LAMBERT_2004_PLUS_ISH2004_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9952')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ISN2004_LAMBERT_2004_PLUS_ISH2004_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9952')
```

Replaces ISN93 / Lambert 1993 + ISH2004 height (CRS code 9951). Replaced by ISN2016 / Lambert 2016 + ISH2004 height (CRS code 9953).

ISN2016 + ISH2004 height

Extent: Iceland - onshore

```
Compound::fromSRID(Compound::EPSG_ISN2016_PLUS_ISH2004_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9950')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ISN2016_PLUS_ISH2004_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9950')
```

Replaces ISN2004 + ISH2004 height (CRS code 9949).

ISN2016 / Lambert 2016 + ISH2004 height

Extent: Iceland - onshore

```
Compound::fromSRID(Compound::EPSG_ISN2016_LAMBERT_2016_PLUS_ISH2004_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9953')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ISN2016_LAMBERT_2016_PLUS_ISH2004_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9953')
```

Replaces ISN2004 / Lambert 2004 + ISH2004 height (CRS code 9952).

ISN93 + ISH2004 height

Extent: Iceland - onshore

```
Compound::fromSRID(Compound::EPSG_ISN93_PLUS_ISH2004_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9948')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ISN93_PLUS_ISH2004_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9948')
```

Replaced by ISN2004 + ISH2004 height (CRS code 9949).

ISN93 / Lambert 1993 + ISH2004 height

Extent: Iceland - onshore

```
Compound::fromSRID(Compound::EPSG_ISN93_LAMBERT_1993_PLUS_ISH2004_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9951')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ISN93_LAMBERT_1993_PLUS_ISH2004_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9951')
```

Replaced by ISN2004 / Lambert 2004 + ISH2004 height (CRS code 9952).

ITRF2005 + SA LLD height

Extent: South Africa - mainland onshore

```
Compound::fromSRID(Compound::EPSG_ITRF2005_PLUS_SA_LLD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9543')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ITRF2005_PLUS_SA_LLD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9543')
```

JGD2000 + JGD2000 (vertical) height

Extent: Japan - onshore mainland - Hokkaido, Honshu, Shikoku, Kyushu

```
Compound::fromSRID(Compound::EPSG_JGD2000_PLUS_JGD2000_VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6696')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2000_PLUS_JGD2000_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6696')
```

Replaces Tokyo + JSLD69 height and Tokyo + JSLD72 height (CRS codes 7414 and 6700) from April 2002. Replaced by JGD2011 + JGD2011 (vertical) height (CRS code 6697) with effect from 21st October 2011.

JGD2011 + JGD2011 (vertical) height

Extent: Japan - onshore mainland - Hokkaido, Honshu, Shikoku, Kyushu

```
Compound::fromSRID(Compound::EPSG_JGD2011_PLUS_JGD2011_VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6697')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6697')
```

Replaces JGD2000 + JGD2000 (vertical) height (CRS code 6696) with effect from 21st October 2011.

JGD2011 / Japan Plane Rectangular CS I + JGD2011 (vertical) height

Extent: Japan - onshore - Kyushu west of approximately 130°E - Nagasaki-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_I_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10162')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_I_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10162')
```

JGD2011 / Japan Plane Rectangular CS II + JGD2011 (vertical) height

Extent: Japan - onshore - Kyushu east of approximately 130°E - Fukuoka-ken; Saga-ken; Kumamoto-ken; Oita-ken; Miyazaki-ken; Kagoshima-ken on Kyushu (except for area within Japan Plane Rectangular Coordinate System zone I)

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_II_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10163')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_II_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10163')
```

JGD2011 / Japan Plane Rectangular CS III + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu west of approximately 133°15'E - Yamaguchi-ken; Shimane-ken; Hiroshima-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_III_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10164')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪III_PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10164')
```

JGD2011 / Japan Plane Rectangular CS IV + JGD2011 (vertical) height

Extent: Japan - onshore - Shikoku - Kagawa-ken; Ehime-ken; Tokushima-ken; Kochi-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IV_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10165')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IV_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10165')
```

JGD2011 / Japan Plane Rectangular CS IX + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu - Tokyo-to. (Excludes offshore island areas of Tokyo-to)

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IX_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10170')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IX_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10170')
```

JGD2011 / Japan Plane Rectangular CS V + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu between approximately 133°15'E and 135°10'E - Hyogo-ken; Tottori-ken; Okayama-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_V_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10166')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_V_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10166')
```

JGD2011 / Japan Plane Rectangular CS VI + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu between approximately 135°10'E and 136°45'E - Kyoto-fu; Osaka-fu; Fukui-ken; Shiga-ken; Mie-ken; Nara-ken; Wakayama-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VI_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10167')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VI_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10167')
```

JGD2011 / Japan Plane Rectangular CS VII + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu between approximately 136°15'E and 137°45'E - Ishikawa-ken; Toyama-ken; Gifu-ken; Aichi-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VII_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10168')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪VII_PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10168')
```

JGD2011 / Japan Plane Rectangular CS VIII + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu between approximately 137°45'E and 139°E - Niigata-ken on Honshu; Nagano-ken; Yamanashi-ken; Shizuoka-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VIII_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10169')
```

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```
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪VIII_PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10169')
```

JGD2011 / Japan Plane Rectangular CS X + JGD2011 (vertical) height

Extent: Japan - onshore - Honshu north of 38°N approximately - Aomori-ken; Akita-ken; Yamagata-ken; Iwate-ken; Miyagi-ken

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_X_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10171')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_X_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10171')
```

JGD2011 / Japan Plane Rectangular CS XI + JGD2011 (vertical) height

Extent: Japan - onshore - Hokkaido west of approximately 141°E - Otaru city; Usu-gun and Abuta-gun of Iburi-shicho; Hiyama-shicho; Shiribeshi-shicho; Oshima-shicho

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XI_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10172')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XI_
↪PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10172')
```

JGD2011 / Japan Plane Rectangular CS XII + JGD2011 (vertical) height

Extent: Japan - onshore - Hokkaido between approximately 141°E and 143°E - Sapporo city; Asahikawa city; Wakkanai city; Rumoi city; Bibai city; Yubari city; Iwamizawa city; Tomakomai city; Muroran city; Shibetsu city; Nayoro city; Ashibetsu city; Akabira city; Mikasa city; Takikawa city; Sunagawa city; Ebetsu city; Chitose city; Utashinai city; Fukagawa city; Monbetsu city; Furano city; Noboribetsu city; Eniwa city; Ishikari-shicho; Monbetsu-gun of Abashiri-shicho; Kamikawa-shicho; Soya-shicho; Hidaka-shicho; Iburi-shicho (except Usu-gun and Abuta-gun); Sorachi-shicho; Rumoi-shicho

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XII_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10173')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XII_PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10173')
```

JGD2011 / Japan Plane Rectangular CS XIII + JGD2011 (vertical) height

Extent: Japan - onshore - Hokkaido east of approximately 143°E - Kitami city; Obihiro city; Kushiro city; Abashiri city; Nemuro city; Nemuro-shicho; Kushiro-shicho; Abashiri-shicho (except Monbetsu-gun); Tokachi-shicho

```
Compound::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIII_PLUS_JGD2011_
↪VERTICAL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10174')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_
↪XIII_PLUS_JGD2011_VERTICAL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10174')
```

KGD2002 + KVD1964 height

Extent: Republic of Korea (South Korea) - onshore

```
Compound::fromSRID(Compound::EPSG_KGD2002_PLUS_KVD1964_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10365')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_KGD2002_PLUS_KVD1964_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10365')
```

KKJ / Finland Uniform Coordinate System + N60 height

Extent: Finland - onshore

```
Compound::fromSRID(Compound::EPSG_KKJ_FINLAND_UNIFORM_COORDINATE_SYSTEM_PLUS_N60_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::3901')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_KKJ_FINLAND_UNIFORM_COORDINATE_SYSTEM_
↪PLUS_N60_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::3901')
```

Replaced by ETRS89 / TM35FIN(N,E) + N60 height (CRS code 3902).

KSA-GRF17 + KSA-VRF14 height

Extent: Saudi Arabia - onshore

```
Compound::fromSRID(Compound::EPSG_KSA_GRF17_PLUS_KSA_VRF14_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9520')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_KSA_GRF17_PLUS_KSA_VRF14_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9520')
```

LUREF / Luxembourg TM + NG95 height

Extent: Luxembourg

```
Compound::fromSRID(Compound::EPSG_LUREF_LUXEMBOURG_TM_PLUS_NG95_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9897')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_LUREF_LUXEMBOURG_TM_PLUS_NG95_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9897')
```

For purposes with lower height accuracy requirements, may be approximated (to 5-15cm in height) by projected 3D CRS code 9895.

MALS09 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from London (Marylebone) to Leamington Spa

```
Compound::fromSRID(Compound::EPSG_MALS09_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10228')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_MALS09_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10228')
```

MGI + EVRF2000 Austria height

Extent: Austria

```
Compound::fromSRID(Compound::EPSG_MGI_PLUS_EVRF2000_AUSTRIA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9501')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_MGI_PLUS_EVRF2000_AUSTRIA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9501')
```

MML07 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the Midland Mainline rail route from Sheffield to London

```
Compound::fromSRID(Compound::EPSG_MML07_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9374')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_MML07_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9374')
```

MOLDOR11 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Ordsall Lane and the Hope Valley to Dore Junction

```
Compound::fromSRID(Compound::EPSG_MOLDOR11_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9881')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_MOLDOR11_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9881')
```

MRH21 Grid + ODN height

Extent: United Kingdom (UK) - on or related to Midland Rail Hub, covering routes through Cardiff, Bristol, Gloucester, Derby, Birmingham, Leicester, and Lincoln

```
Compound::fromSRID(Compound::EPSG_MRH21_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9870')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_MRH21_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9870')
```

MWC18 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Wigan and Liverpool to Chester

```
Compound::fromSRID(Compound::EPSG_MWC18_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::20003')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_MWC18_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20003')
```

NAD27 + NGVD29 height (ftUS)

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD27_PLUS_NGVD29_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7406')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD27_PLUS_NGVD29_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7406')
```

NAD27 / Texas North + NGVD29 height (ftUS)

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Compound::fromSRID(Compound::EPSG_NAD27_TEXAS_NORTH_PLUS_NGVD29_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7407')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD27_TEXAS_NORTH_PLUS_NGVD29_HEIGHT_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7407')
```

NAD83 + NAVD88 height

Extent: United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska mainland; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5498')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_PLUS_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5498')
```

NAD83 / Alabama East + NAVD88 height

Extent: United States (USA) - Alabama east of approximately 86°37'W - counties Barbour; Bullock; Calhoun; Chambers; Cherokee; Clay; Cleburne; Coffee; Coosa; Covington; Crenshaw; Dale; De Kalb; Elmore; Etowah; Geneva; Henry; Houston; Jackson; Lee; Macon; Madison; Marshall; Montgomery; Pike; Randolph; Russell; StClair; Talladega; Tallapoosa

```
Compound::fromSRID(Compound::EPSG_NAD83_ALABAMA_EAST_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8801')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALABAMA_EAST_PLUS_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8801')
```

NAD83 / Alabama West + NAVD88 height

Extent: United States (USA) - Alabama west of approximately 86°37'W - counties Autauga; Baldwin; Bibb; Blount; Butler; Chilton; Choctaw; Clarke; Colbert; Conecuh; Cullman; Dallas; Escambia; Fayette; Franklin; Greene; Hale; Jefferson; Lamar; Lauderdale; Lawrence; Limestone; Lowndes; Marengo; Marion; Mobile; Monroe; Morgan; Perry; Pickens; Shelby; Sumter; Tuscaloosa; Walker; Washington; Wilcox; Winston

```
Compound::fromSRID(Compound::EPSG_NAD83_ALABAMA_WEST_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8802')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALABAMA_WEST_PLUS_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8802')
```

NAD83 / Alaska zone 1 + NAVD88 height

Extent: United States (USA) - Alaska - east of 141°W; i.e. Panhandle

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_1_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8803')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_1_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8803')
```

NAD83 / Alaska zone 10 + NAVD88 height

Extent: United States (USA) - Alaska - Aleutian Islands onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_10_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8812')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_10_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8812')
```

NAD83 / Alaska zone 2 + NAVD88 height

Extent: United States (USA) - Alaska - between 144°W and 141°W, onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_2_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8804')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_2_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8804')
```

NAD83 / Alaska zone 3 + NAVD88 height

Extent: United States (USA) - Alaska - between 148°W and 144°W

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_3_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8805')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_3_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8805')
```

NAD83 / Alaska zone 4 + NAVD88 height

Extent: United States (USA) - Alaska - between 152°W and 148°W, onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_4_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8806')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_4_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8806')
```

NAD83 / Alaska zone 5 + NAVD88 height

Extent: United States (USA) - Alaska - between 156°W and 152°W

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_5_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8807')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_5_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8807')
```

NAD83 / Alaska zone 6 + NAVD88 height

Extent: United States (USA) - Alaska - between 160°W and 156°W, onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_6_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8808')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_6_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8808')
```

NAD83 / Alaska zone 7 + NAVD88 height

Extent: United States (USA) - Alaska - between 164°W and 160°W, onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_7_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8809')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_7_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8809')
```

NAD83 / Alaska zone 8 + NAVD88 height

Extent: United States (USA) - Alaska onshore north of 54°30'N and between 168°W and 164°W

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_8_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8810')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_8_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8810')
```

NAD83 / Alaska zone 9 + NAVD88 height

Extent: United States (USA) - Alaska onshore north of 54°30'N and west of 168°W

```
Compound::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_9_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8811')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ALASKA_ZONE_9_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8811')
```

NAD83 / Arizona Central (ft) + NAVD88 height (ft)

Extent: United States (USA) - Arizona - counties Coconino; Maricopa; Pima; Pinal; Santa Cruz; Yavapai

```
Compound::fromSRID(Compound::EPSG_NAD83_ARIZONA_CENTRAL_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8701')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ARIZONA_CENTRAL_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8701')
```

NAD83 / Arizona East (ft) + NAVD88 height (ft)

Extent: United States (USA) - Arizona - counties Apache; Cochise; Gila; Graham; Greenlee; Navajo

```
Compound::fromSRID(Compound::EPSG_NAD83_ARIZONA_EAST_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8700')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ARIZONA_EAST_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8700')
```

NAD83 / Arizona West (ft) + NAVD88 height (ft)

Extent: United States (USA) - Arizona - counties of La Paz; Mohave; Yuma

```
Compound::fromSRID(Compound::EPSG_NAD83_ARIZONA_WEST_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8702')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ARIZONA_WEST_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8702')
```

NAD83 / Arkansas North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Arkansas - counties of Baxter; Benton; Boone; Carroll; Clay; Cleburne; Conway; Craighead; Crawford; Crittenden; Cross; Faulkner; Franklin; Fulton; Greene; Independence; Izard; Jackson; Johnson; Lawrence; Logan; Madison; Marion; Mississippi; Newton; Perry; Poinsett; Pope; Randolph; Scott; Searcy; Sebastian; Sharp; St Francis; Stone; Van Buren; Washington; White; Woodruff; Yell

```
Compound::fromSRID(Compound::EPSG_NAD83_ARKANSAS_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8712')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ARKANSAS_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8712')
```

NAD83 / Arkansas South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Arkansas - counties Arkansas; Ashley; Bradley; Calhoun; Chicot; Clark; Cleveland; Columbia; Dallas; Desha; Drew; Garland; Grant; Hempstead; Hot Spring; Howard; Jefferson; Lafayette; Lee; Lincoln; Little River; Lonoke; Miller; Monroe; Montgomery; Nevada; Ouachita; Phillips; Pike; Polk; Prairie; Pulaski; Saline; Sevier; Union

```
Compound::fromSRID(Compound::EPSG_NAD83_ARKANSAS_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8713')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ARKANSAS_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8713')
```

NAD83 / California zone 1 (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - California - counties Del Norte; Humboldt; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama; Trinity

```
Compound::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_1_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8714')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_1_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8714')
```

NAD83 / California zone 2 (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - California - counties of Alpine; Amador; Butte; Colusa; El Dorado; Glenn; Lake; Mendocino; Napa; Nevada; Placer; Sacramento; Sierra; Solano; Sonoma; Sutter; Yolo; Yuba

```
Compound::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_2_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8715')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_2_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8715')
```

NAD83 / California zone 3 (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - California - counties Alameda; Calaveras; Contra Costa; Madera; Marin; Mariposa; Merced; Mono; San Francisco; San Joaquin; San Mateo; Santa Clara; Santa Cruz; Stanislaus; Tuolumne

```
Compound::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_3_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8716')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_3_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8716')
```

NAD83 / California zone 4 (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - California - counties Fresno; Inyo; Kings; Monterey; San Benito; Tulare

```
Compound::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_4_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8717')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_4_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8717')
```

NAD83 / California zone 5 (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - California - counties Kern; Los Angeles; San Bernardino; San Luis Obispo; Santa Barbara; Ventura

```
Compound::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_5_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8718')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_5_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8718')
```

NAD83 / California zone 6 (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - California - counties Imperial; Orange; Riverside; San Diego

```
Compound::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_6_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8719')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CALIFORNIA_ZONE_6_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8719')
```

NAD83 / Colorado Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Colorado - counties Arapahoe; Chaffee; Cheyenne; Clear Creek; Delta; Denver; Douglas; Eagle; El Paso; Elbert; Fremont; Garfield; Gunnison; Jefferson; Kit Carson; Lake; Lincoln; Mesa; Park; Pitkin; Summit; Teller

```
Compound::fromSRID(Compound::EPSG_NAD83_COLORADO_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8721')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_COLORADO_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8721')
```

NAD83 / Colorado North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Colorado - counties Adams; Boulder; Gilpin; Grand; Jackson; Larimer; Logan; Moffat; Morgan; Phillips; Rio Blanco; Routt; Sedgwick; Washington; Weld; Yuma

```
Compound::fromSRID(Compound::EPSG_NAD83_COLORADO_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8720')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_COLORADO_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8720')
```

NAD83 / Colorado South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Colorado - counties Alamosa; Archuleta; Baca; Bent; Conejos; Costilla; Crowley; Custer; Dolores; Hinsdale; Huerfano; Kiowa; La Plata; Las Animas; Mineral; Montezuma; Montrose; Otero; Ouray; Prowers; Pueblo; Rio Grande; Saguache; San Juan; San Miguel

```
Compound::fromSRID(Compound::EPSG_NAD83_COLORADO_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8722')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_COLORADO_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8722')
```

NAD83 / Connecticut (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Connecticut - counties of Fairfield; Hartford; Litchfield; Middlesex; New Haven; New London; Tolland; Windham

```
Compound::fromSRID(Compound::EPSG_NAD83_CONNECTICUT_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8723')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CONNECTICUT_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8723')
```

NAD83 / Delaware (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Delaware - counties of Kent; New Castle; Sussex

```
Compound::fromSRID(Compound::EPSG_NAD83_DELAWARE_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8724')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_DELAWARE_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8724')
```

NAD83 / Florida East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Florida - counties of Brevard; Broward; Clay; Collier; Dade; Duval; Flagler; Glades; Hendry; Highlands; Indian River; Lake; Martin; Monroe; Nassau; Okeechobee; Orange; Osceola; Palm Beach; Putnam; Seminole; St Johns; St Lucie; Volusia

```
Compound::fromSRID(Compound::EPSG_NAD83_FLORIDA_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8726')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_FLORIDA_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8726')
```

NAD83 / Florida North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Florida - counties of Alachua; Baker; Bay; Bradford; Calhoun; Columbia; Dixie; Escambia; Franklin; Gadsden; Gilchrist; Gulf; Hamilton; Holmes; Jackson; Jefferson; Lafayette; Leon; Liberty; Madison; Okaloosa; Santa Rosa; Suwannee; Taylor; Union; Wakulla; Walton; Washington

```
Compound::fromSRID(Compound::EPSG_NAD83_FLORIDA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8725')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_FLORIDA_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8725')
```

NAD83 / Florida West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Florida - counties of Charlotte; Citrus; De Soto; Hardee; Hernando; Hillsborough; Lee; Levy; Manatee; Marion; Pasco; Pinellas; Polk; Sarasota; Sumter

```
Compound::fromSRID(Compound::EPSG_NAD83_FLORIDA_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8727')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_FLORIDA_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8727')
```

NAD83 / Georgia East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Georgia - counties of Appling; Atkinson; Bacon; Baldwin; Brantley; Bryan; Bulloch; Burke; Camden; Candler; Charlton; Chatham; Clinch; Coffee; Columbia; Dodge; Echols; Effingham; Elbert; Emanuel; Evans; Franklin; Glascock; Glynn; Greene; Hancock; Hart; Jeff Davis; Jefferson; Jenkins; Johnson; Lanier; Laurens; Liberty; Lincoln; Long; Madison; McDuffie; McIntosh; Montgomery; Oglethorpe; Pierce; Richmond; Screven; Stephens; Taliaferro; Tattnall; Telfair; Toombs; Treutlen; Ware; Warren; Washington; Wayne; Wheeler; Wilkes; Wilkinson

```
Compound::fromSRID(Compound::EPSG_NAD83_GEORGIA_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8728')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_GEORGIA_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8728')
```

NAD83 / Georgia West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Georgia - counties of Baker; Banks; Barrow; Bartow; Ben Hill; Berrien; Bibb; Bleckley; Brooks; Butts; Calhoun; Carroll; Catoosa; Chattahoochee; Chattooga; Cherokee; Clarke; Clay; Clayton; Cobb; Colquitt; Cook; Coweta; Crawford; Crisp; Dade; Dawson; De Kalb; Decatur; Dooly; Dougherty; Douglas; Early; Fannin; Fayette; Floyd; Forsyth; Fulton; Gilmer; Gordon; Grady; Gwinnett; Habersham; Hall; Haralson; Harris; Heard; Henry; Houston; Irwin; Jackson; Jasper; Jones; Lamar; Lee; Lowndes; Lumpkin; Macon; Marion; Meriwether; Miller; Mitchell; Monroe; Morgan; Murray; Muscogee; Newton; Oconee; Paulding; Peach; Pickens; Pike; Polk; Pulaski; Putnam; Quitman; Rabun; Randolph; Rockdale; Schley; Seminole; Spalding; Stewart; Sumter; Talbot; Taylor; Terrell; Thomas; Tift; Towns; Troup; Turner; Twiggs; Union; Upson; Walker; Walton; Webster; White; Whitfield; Wilcox; Worth

```
Compound::fromSRID(Compound::EPSG_NAD83_GEORGIA_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8729')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_GEORGIA_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8729')
```

NAD83 / Idaho Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Idaho - counties of Blaine; Butte; Camas; Cassia; Custer; Gooding; Jerome; Lemhi; Lincoln; Minidoka; Twin Falls

```
Compound::fromSRID(Compound::EPSG_NAD83_IDAHO_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8731')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_IDAHO_CENTRAL_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8731')
```

NAD83 / Idaho East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Idaho - counties of Bannock; Bear Lake; Bingham; Bonneville; Caribou; Clark; Franklin; Fremont; Jefferson; Madison; Oneida; Power; Teton

```
Compound::fromSRID(Compound::EPSG_NAD83_IDAHO_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8730')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_IDAHO_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8730')
```

NAD83 / Idaho West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Idaho - counties of Ada; Adams; Benewah; Boise; Bonner; Boundary; Canyon; Clearwater; Elmore; Gem; Idaho; Kootenai; Latah; Lewis; Nez Perce; Owyhee; Payette; Shoshone; Valley; Washington

```
Compound::fromSRID(Compound::EPSG_NAD83_IDAHO_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8732')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_IDAHO_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8732')
```

NAD83 / Illinois East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Illinois - counties of Boone; Champaign; Clark; Clay; Coles; Cook; Crawford; Cumberland; De Kalb; De Witt; Douglas; Du Page; Edgar; Edwards; Effingham; Fayette; Ford; Franklin; Gallatin; Grundy; Hamilton; Hardin; Iroquois; Jasper; Jefferson; Johnson; Kane; Kankakee; Kendall; La Salle; Lake; Lawrence; Livingston; Macon; Marion; Massac; McHenry; McLean; Moultrie; Piatt; Pope; Richland; Saline; Shelby; Vermilion; Wabash; Wayne; White; Will; Williamson

```
Compound::fromSRID(Compound::EPSG_NAD83_ILLINOIS_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8733')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ILLINOIS_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8733')
```

NAD83 / Illinois West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Illinois - counties of Adams; Alexander; Bond; Brown; Bureau; Calhoun; Carroll; Cass; Christian; Clinton; Fulton; Greene; Hancock; Henderson; Henry; Jackson; Jersey; Jo Daviess; Knox; Lee; Logan; Macoupin; Madison; Marshall; Mason; McDonough; Menard; Mercer; Monroe; Montgomery; Morgan; Ogle; Peoria; Perry; Pike; Pulaski; Putnam; Randolph; Rock Island; Sangamon; Schuyler; Scott; St Clair; Stark; Stephenson; Tazewell; Union; Warren; Washington; Whiteside; Winnebago; Woodford

```
Compound::fromSRID(Compound::EPSG_NAD83_ILLINOIS_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8734')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_ILLINOIS_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8734')
```

NAD83 / Indiana East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Indiana - counties of Adams; Allen; Bartholomew; Blackford; Brown; Cass; Clark; De Kalb; Dearborn; Decatur; Delaware; Elkhart; Fayette; Floyd; Franklin; Fulton; Grant; Hamilton; Hancock; Harrison; Henry; Howard; Huntington; Jackson; Jay; Jefferson; Jennings; Johnson; Kosciusko; Lagrange; Madison; Marion; Marshall; Miami; Noble; Ohio; Randolph; Ripley; Rush; Scott; Shelby; St Joseph; Steuben; Switzerland; Tipton; Union; Wabash; Washington; Wayne; Wells; Whitley

```
Compound::fromSRID(Compound::EPSG_NAD83_INDIANA_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8735')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_INDIANA_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8735')
```

NAD83 / Indiana West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Indiana - counties of Benton; Boone; Carroll; Clay; Clinton; Crawford; Daviess; Dubois; Fountain; Gibson; Greene; Hendricks; Jasper; Knox; La Porte; Lake; Lawrence; Martin; Monroe; Montgomery; Morgan; Newton; Orange; Owen; Parke; Perry; Pike; Porter; Posey; Pulaski; Putnam; Spencer; Starke; Sullivan; Tippecanoe; Vanderburgh; Vermillion; Vigo; Warren; Warrick; White

```
Compound::fromSRID(Compound::EPSG_NAD83_INDIANA_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8736')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_INDIANA_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8736')
```

NAD83 / Iowa North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Iowa - counties of Allamakee; Benton; Black Hawk; Boone; Bremer; Buchanan; Buena Vista; Butler; Calhoun; Carroll; Cerro Gordo; Cherokee; Chickasaw; Clay; Clayton; Crawford; Delaware; Dickinson; Dubuque; Emmet; Fayette; Floyd; Franklin; Greene; Grundy; Hamilton; Hancock; Hardin; Howard; Humboldt; Ida; Jackson; Jones; Kossuth; Linn; Lyon; Marshall; Mitchell; Monona; O'Brien; Osceola; Palo Alto; Plymouth; Pocahontas; Sac; Sioux; Story; Tama; Webster; Winnebago; Winneshiek; Woodbury; Worth; Wright

```
Compound::fromSRID(Compound::EPSG_NAD83_IOWA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8737')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_IOWA_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8737')
```

NAD83 / Iowa South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Iowa - counties of Adair; Adams; Appanoose; Audubon; Cass; Cedar; Clarke; Clinton; Dallas; Davis; Decatur; Des Moines; Fremont; Guthrie; Harrison; Henry; Iowa; Jasper; Jefferson; Johnson; Keokuk; Lee; Louisa; Lucas; Madison; Mahaska; Marion; Mills; Monroe; Montgomery; Muscatine; Page; Polk; Pottawattamie; Poweshiek; Ringgold; Scott; Shelby; Taylor; Union; Van Buren; Wapello; Warren; Washington; Wayne

```
Compound::fromSRID(Compound::EPSG_NAD83_IOWA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8738')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_IOWA_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8738')
```

NAD83 / Kansas North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Kansas - counties of Atchison; Brown; Cheyenne; Clay; Cloud; Decatur; Dickinson; Doniphan; Douglas; Ellis; Ellsworth; Geary; Gove; Graham; Jackson; Jefferson; Jewell; Johnson; Leavenworth; Lincoln; Logan; Marshall; Mitchell; Morris; Nemaha; Norton; Osborne; Ottawa; Phillips; Pottawatomie; Rawlins; Republic; Riley; Rooks; Russell; Saline; Shawnee; Sheridan; Sherman; Smith; Thomas; Trego; Wabaunsee; Wallace; Washington; Wyandotte

```
Compound::fromSRID(Compound::EPSG_NAD83_KANSAS_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8739')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_KANSAS_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8739')
```

NAD83 / Kansas South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Kansas - counties of Allen; Anderson; Barber; Barton; Bourbon; Butler; Chase; Chautauqua; Cherokee; Clark; Coffey; Comanche; Cowley; Crawford; Edwards; Elk; Finney; Ford; Franklin; Grant; Gray; Greeley; Greenwood; Hamilton; Harper; Harvey; Haskell; Hodgeman; Kearny; Kingman; Kiowa; Labette; Lane; Linn; Lyon; Marion; McPherson; Meade; Miami; Montgomery; Morton; Neosho; Ness; Osage; Pawnee; Pratt; Reno; Rice; Rush; Scott; Sedgwick; Seward; Stafford; Stanton; Stevens; Sumner; Wichita; Wilson; Woodson

```
Compound::fromSRID(Compound::EPSG_NAD83_KANSAS_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8740')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_KANSAS_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8740')
```

NAD83 / Kentucky North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Kentucky - counties of Anderson; Bath; Boone; Bourbon; Boyd; Bracken; Bullitt; Campbell; Carroll; Carter; Clark; Elliott; Fayette; Fleming; Franklin; Gallatin; Grant; Greenup; Harrison; Henry; Jefferson; Jessamine; Kenton; Lawrence; Lewis; Mason; Menifee; Montgomery; Morgan; Nicholas; Oldham; Owen; Pendleton; Robertson; Rowan; Scott; Shelby; Spencer; Trimble; Woodford

```
Compound::fromSRID(Compound::EPSG_NAD83_KENTUCKY_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8741')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_KENTUCKY_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8741')
```

NAD83 / Kentucky South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Kentucky - counties of Adair; Allen; Ballard; Barren; Bell; Boyle; Breathitt; Breckinridge; Butler; Caldwell; Calloway; Carlisle; Casey; Christian; Clay; Clinton; Crittenden; Cumberland; Daviess; Edmonson; Estill; Floyd; Fulton; Garrard; Graves; Grayson; Green; Hancock; Hardin; Harlan; Hart; Henderson; Hickman; Hopkins; Jackson; Johnson; Knott; Knox; Larue; Laurel; Lee; Leslie; Letcher; Lincoln; Livingston; Logan; Lyon; Madison; Magoffin; Marion; Marshall; Martin; McCracken; McCreary; McLean; Meade; Mercer; Metcalfe; Monroe; Muhlenberg; Nelson; Ohio; Owsley; Perry; Pike; Powell; Pulaski; Rockcastle; Russell; Simpson; Taylor; Todd; Trigg; Union; Warren; Washington; Wayne; Webster; Whitley; Wolfe

```
Compound::fromSRID(Compound::EPSG_NAD83_KENTUCKY_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8742')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_KENTUCKY_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8742')
```

NAD83 / Louisiana North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Louisiana - counties of Avoyelles; Bienville; Bossier; Caddo; Caldwell; Catahoula; Claiborne; Concordia; De Soto; East Carroll; Franklin; Grant; Jackson; La Salle; Lincoln; Madison; Morehouse; Natchitoches; Ouachita; Rapides; Red River; Richland; Sabine; Tensas; Union; Vernon; Webster; West Carroll; Winn

```
Compound::fromSRID(Compound::EPSG_NAD83_LOUISIANA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8743')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_LOUISIANA_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8743')
```

NAD83 / Louisiana South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Louisiana - counties of Acadia; Allen; Ascension; Assumption; Beauregard; Calcasieu; Cameron; East Baton Rouge; East Feliciana; Evangeline; Iberia; Iberville; Jefferson; Jefferson Davis; Lafayette; LaFourche; Livingston; Orleans; Plaquemines; Pointe Coupee; St Bernard; St Charles; St Helena; St James; St John the Baptist; St Landry; St Martin; St Mary; St Tammany; Tangipahoa; Terrebonne; Vermilion; Washington; West Baton Rouge; West Feliciana

```
Compound::fromSRID(Compound::EPSG_NAD83_LOUISIANA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8744')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_LOUISIANA_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8744')
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NAD83 / Maine East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Maine - counties of Aroostook; Hancock; Knox; Penobscot; Piscataquis; Waldo; Washington

```
Compound::fromSRID(Compound::EPSG_NAD83_MAINE_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8745')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MAINE_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8745')
```

NAD83 / Maine West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Maine - counties of Androscoggin; Cumberland; Franklin; Kennebec; Lincoln; Oxford; Sagadahoc; Somerset; York

```
Compound::fromSRID(Compound::EPSG_NAD83_MAINE_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8746')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MAINE_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8746')
```

NAD83 / Maryland (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Maryland - counties of Allegany; Anne Arundel; Baltimore; Calvert; Caroline; Carroll; Cecil; Charles; Dorchester; Frederick; Garrett; Harford; Howard; Kent; Montgomery; Prince Georges; Queen Annes; Somerset; St Marys; Talbot; Washington; Wicomico; Worcester

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Compound::fromSRID(Compound::EPSG_NAD83_MARYLAND_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8747')
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CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MARYLAND_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8747')
```

NAD83 / Massachusetts Island (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Massachusetts offshore - counties of Dukes; Nantucket

```
Compound::fromSRID(Compound::EPSG_NAD83_MASSACHUSETTS_ISLAND_FTUS_PLUS_NAVD88_HEIGHT_
↪FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8749')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MASSACHUSETTS_ISLAND_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8749')
```

NAD83 / Massachusetts Mainland (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Massachusetts onshore - counties of Barnstable; Berkshire; Bristol; Essex; Franklin; Hampden; Hampshire; Middlesex; Norfolk; Plymouth; Suffolk; Worcester

```
Compound::fromSRID(Compound::EPSG_NAD83_MASSACHUSETTS_MAINLAND_FTUS_PLUS_NAVD88_HEIGHT_
↪FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8748')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MASSACHUSETTS_MAINLAND_FTUS_
↪PLUS_NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8748')
```

NAD83 / Michigan Central (ft) + NAVD88 height (ft)

Extent: United States (USA) - Michigan - counties of Alcona; Alpena; Antrim; Arenac; Benzie; Charlevoix; Cheboygan; Clare; Crawford; Emmet; Gladwin; Grand Traverse; Iosco; Kalkaska; Lake; Leelanau; Manistee; Mason; Missaukee; Montmorency; Ogemaw; Osceola; Oscoda; Otsego; Presque Isle; Roscommon; Wexford

```
Compound::fromSRID(Compound::EPSG_NAD83_MICHIGAN_CENTRAL_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8704')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MICHIGAN_CENTRAL_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8704')
```

NAD83 / Michigan North (ft) + NAVD88 height (ft)

Extent: United States (USA) - Michigan north of approximately 45°45'N - counties of Alger; Baraga; Chippewa; Delta; Dickinson; Gogebic; Houghton; Iron; Keweenaw; Luce; Mackinac; Marquette; Menominee; Ontonagon; Schoolcraft

```
Compound::fromSRID(Compound::EPSG_NAD83_MICHIGAN_NORTH_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8703')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MICHIGAN_NORTH_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8703')
```

NAD83 / Michigan South (ft) + NAVD88 height (ft)

Extent: United States (USA) - Michigan - counties of Allegan; Barry; Bay; Berrien; Branch; Calhoun; Cass; Clinton; Eaton; Genesee; Gratiot; Hillsdale; Huron; Ingham; Ionia; Isabella; Jackson; Kalamazoo; Kent; Lapeer; Lenawee; Livingston; Macomb; Mecosta; Midland; Monroe; Montcalm; Muskegon; Newaygo; Oakland; Oceana; Ottawa; Saginaw; Sanilac; Shiawassee; St Clair; St Joseph; Tuscola; Van Buren; Washtenaw; Wayne

```
Compound::fromSRID(Compound::EPSG_NAD83_MICHIGAN_SOUTH_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8705')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MICHIGAN_SOUTH_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8705')
```

NAD83 / Minnesota Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Minnesota - counties of Aitkin; Becker; Benton; Carlton; Cass; Chisago; Clay; Crow Wing; Douglas; Grant; Hubbard; Isanti; Kanabec; Mille Lacs; Morrison; Otter Tail; Pine; Pope; Stearns; Stevens; Todd; Traverse; Wadena; Wilkin

```
Compound::fromSRID(Compound::EPSG_NAD83_MINNESOTA_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8751')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MINNESOTA_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8751')
```

NAD83 / Minnesota North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Minnesota - counties of Beltrami; Clearwater; Cook; Itasca; Kittson; Koochiching; Lake; Lake of the Woods; Mahnomen; Marshall; Norman; Pennington; Polk; Red Lake; Roseau; St Louis

```
Compound::fromSRID(Compound::EPSG_NAD83_MINNESOTA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8750')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MINNESOTA_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8750')
```

NAD83 / Minnesota South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Minnesota - counties of Anoka; Big Stone; Blue Earth; Brown; Carver; Chippewa; Cottonwood; Dakota; Dodge; Faribault; Fillmore; Freeborn; Goodhue; Hennepin; Houston; Jackson; Kandiyohi; Lac Qui Parle; Le Sueur; Lincoln; Lyon; Martin; McLeod; Meeker; Mower; Murray; Nicollet; Nobles; Olmsted; Pipestone; Ramsey; Redwood; Renville; Rice; Rock; Scott; Sherburne; Sibley; Steele; Swift; Wabasha; Waseca; Washington; Watonwan; Winona; Wright; Yellow Medicine

```
Compound::fromSRID(Compound::EPSG_NAD83_MINNESOTA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8752')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MINNESOTA_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8752')
```

NAD83 / Mississippi East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Mississippi - counties of Alcorn; Attala; Benton; Calhoun; Chickasaw; Choctaw; Clarke; Clay; Covington; Forrest; George; Greene; Hancock; Harrison; Itawamba; Jackson; Jasper; Jones; Kemper; Lafayette; Lamar; Lauderdale; Leake; Lee; Lowndes; Marshall; Monroe; Neshoba; Newton; Noxubee; Oktibbeha; Pearl River; Perry; Pontotoc; Prentiss; Scott; Smith; Stone; Tippah; Tishomingo; Union; Wayne; Webster; Winston

```
Compound::fromSRID(Compound::EPSG_NAD83_MISSISSIPPI_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8753')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MISSISSIPPI_EAST_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8753')
```

NAD83 / Mississippi West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Mississippi - counties of Adams; Amite; Bolivar; Carroll; Claiborne; Coahoma; Copiah; De Soto; Franklin; Grenada; Hinds; Holmes; Humphreys; Issaquena; Jefferson; Jefferson Davis; Lawrence; Leflore; Lincoln; Madison; Marion; Montgomery; Panola; Pike; Quitman; Rankin; Sharkey; Simpson; Sunflower; Tallahatchie; Tate; Tunica; Walthall; Warren; Washington; Wilkinson; Yalobusha; Yazoo

```
Compound::fromSRID(Compound::EPSG_NAD83_MISSISSIPPI_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8754')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MISSISSIPPI_WEST_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8754')
```

NAD83 / Missouri Central + NAVD88 height

Extent: United States (USA) - Missouri - counties of Adair; Audrain; Benton; Boone; Callaway; Camden; Carroll; Chariton; Christian; Cole; Cooper; Dallas; Douglas; Greene; Grundy; Hickory; Howard; Howell; Knox; Laclede; Linn; Livingston; Macon; Maries; Mercer; Miller; Moniteau; Monroe; Morgan; Osage; Ozark; Pettis; Phelps; Polk; Pulaski; Putnam; Randolph; Saline; Schuyler; Scotland; Shelby; Stone; Sullivan; Taney; Texas; Webster; Wright

```
Compound::fromSRID(Compound::EPSG_NAD83_MISSOURI_CENTRAL_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8814')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MISSOURI_CENTRAL_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8814')
```

NAD83 / Missouri East + NAVD88 height

Extent: United States (USA) - Missouri - counties of Bollinger; Butler; Cape Girardeau; Carter; Clark; Crawford; Dent; Dunklin; Franklin; Gasconade; Iron; Jefferson; Lewis; Lincoln; Madison; Marion; Mississippi; Montgomery; New Madrid; Oregon; Pemiscot; Perry; Pike; Ralls; Reynolds; Ripley; Scott; Shannon; St Charles; St Francois; St Louis; Ste. Genevieve; Stoddard; Warren; Washington; Wayne

```
Compound::fromSRID(Compound::EPSG_NAD83_MISSOURI_EAST_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8813')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MISSOURI_EAST_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8813')
```

NAD83 / Missouri West + NAVD88 height

Extent: United States (USA) - Missouri - counties of Andrew; Atchison; Barry; Barton; Bates; Buchanan; Caldwell; Cass; Cedar; Clay; Clinton; Dade; Daviess; De Kalb; Gentry; Harrison; Henry; Holt; Jackson; Jasper; Johnson; Lafayette; Lawrence; McDonald; Newton; Nodaway; Platte; Ray; St Clair; Vernon; Worth

```
Compound::fromSRID(Compound::EPSG_NAD83_MISSOURI_WEST_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8815')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MISSOURI_WEST_PLUS_NAVD88_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8815')
```

NAD83 / Montana (ft) + NAVD88 height (ft)

Extent: United States (USA) - Montana - counties of Beaverhead; Big Horn; Blaine; Broadwater; Carbon; Carter; Cascade; Chouteau; Custer; Daniels; Dawson; Deer Lodge; Fallon; Fergus; Flathead; Gallatin; Garfield; Glacier; Golden Valley; Granite; Hill; Jefferson; Judith Basin; Lake; Lewis and Clark; Liberty; Lincoln; Madison; McCone; Meagher; Mineral; Missoula; Musselshell; Park; Petroleum; Phillips; Pondera; Powder River; Powell; Prairie; Ravalli; Richland; Roosevelt; Rosebud; Sanders; Sheridan; Silver Bow; Stillwater; Sweet Grass; Teton; Toole; Treasure; Valley; Wheatland; Wibaux; Yellowstone

```
Compound::fromSRID(Compound::EPSG_NAD83_MONTANA_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8706')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MONTANA_FT_PLUS_NAVD88_HEIGHT_
↪FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8706')
```

NAD83 / Nebraska (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Nebraska - counties of Adams; Antelope; Arthur; Banner; Blaine; Boone; Box Butte; Boyd; Brown; Buffalo; Burt; Butler; Cass; Cedar; Chase; Cherry; Cheyenne; Clay; Colfax; Cuming; Custer; Dakota; Dawes; Dawson; Deuel; Dixon; Dodge; Douglas; Dundy; Fillmore; Franklin; Frontier; Furnas; Gage; Garden; Garfield; Gosper; Grant; Greeley; Hall; Hamilton; Harlan; Hayes; Hitchcock; Holt; Hooker; Howard; Jefferson; Johnson; Kearney; Keith; Keya Paha; Kimball; Knox; Lancaster; Lincoln; Logan; Loup; Madison; McPherson; Merrick; Morrill; Nance; Nemaha; Nuckolls; Otoe; Pawnee; Perkins; Phelps; Pierce; Platte; Polk; Red Willow; Richardson; Rock; Saline; Sarpy; Saunders; Scotts Bluff; Seward; Sheridan; Sherman; Sioux; Stanton; Thayer; Thomas; Thurston; Valley; Washington; Wayne; Webster; Wheeler; York

```
Compound::fromSRID(Compound::EPSG_NAD83_NEBRASKA_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8755')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEBRASKA_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8755')
```

NAD83 / Nevada Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Nevada - counties of Lander; Nye

```
Compound::fromSRID(Compound::EPSG_NAD83_NEVADA_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8757')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEVADA_CENTRAL_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8757')
```

NAD83 / Nevada East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Nevada - counties of Clark; Elko; Eureka; Lincoln; White Pine

```
Compound::fromSRID(Compound::EPSG_NAD83_NEVADA_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8756')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEVADA_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8756')
```

NAD83 / Nevada West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Nevada - counties of Churchill; Douglas; Esmeralda; Humboldt; Lyon; Mineral; Pershing; Storey; Washoe

```
Compound::fromSRID(Compound::EPSG_NAD83_NEVADA_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8758')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEVADA_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8758')
```

NAD83 / New Hampshire (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New Hampshire - counties of Belknap; Carroll; Cheshire; Coos; Grafton; Hillsborough; Merrimack; Rockingham; Strafford; Sullivan

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_HAMPSHIRE_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8759')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_HAMPSHIRE_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8759')
```

NAD83 / New Jersey (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New Jersey - counties of Atlantic; Bergen; Burlington; Camden; Cape May; Cumberland; Essex; Gloucester; Hudson; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Salem; Somerset; Sussex; Union; Warren

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_JERSEY_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8760')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_JERSEY_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8760')
```

NAD83 / New Mexico Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New Mexico - counties of Bernalillo; Dona Ana; Lincoln; Los Alamos; Otero; Rio Arriba; Sandoval; Santa Fe; Socorro; Taos; Torrance; Valencia

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_MEXICO_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8762')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_MEXICO_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8762')
```

NAD83 / New Mexico East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New Mexico - counties of Chaves; Colfax; Curry; De Baca; Eddy; Guadalupe; Harding; Lea; Mora; Quay; Roosevelt; San Miguel; Union

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_MEXICO_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8761')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_MEXICO_EAST_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8761')
```

NAD83 / New Mexico West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New Mexico - counties of Catron; Cibola; Grant; Hidalgo; Luna; McKinley; San Juan; Sierra

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_MEXICO_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8763')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_MEXICO_WEST_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8763')
```

NAD83 / New York Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New York - counties of Broome; Cayuga; Chemung; Chenango; Cortland; Jefferson; Lewis; Madison; Oneida; Onondaga; Ontario; Oswego; Schuyler; Seneca; Steuben; Tioga; Tompkins; Wayne; Yates

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_YORK_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8765')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_YORK_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8765')
```

NAD83 / New York East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New York mainland - counties of Albany; Clinton; Columbia; Delaware; Dutchess; Essex; Franklin; Fulton; Greene; Hamilton; Herkimer; Montgomery; Orange; Otsego; Putnam; Rensselaer; Rockland; Saratoga; Schenectady; Schoharie; St Lawrence; Sullivan; Ulster; Warren; Washington; Westchester

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_YORK_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8764')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_YORK_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8764')
```

NAD83 / New York Long Island (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New York - counties of Bronx; Kings; Nassau; New York; Queens; Richmond; Suffolk

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_YORK_LONG_ISLAND_FTUS_PLUS_NAVD88_HEIGHT_
↪FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8767')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_YORK_LONG_ISLAND_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8767')
```

NAD83 / New York West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - New York - counties of Allegany; Cattaraugus; Chautauqua; Erie; Genesee; Livingston; Monroe; Niagara; Orleans; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_NEW_YORK_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8766')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NEW_YORK_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8766')
```

NAD83 / North Carolina (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - North Carolina - counties of Alamance; Alexander; Alleghany; Anson; Ashe; Avery; Beaufort; Bertie; Bladen; Brunswick; Buncombe; Burke; Cabarrus; Caldwell; Camden; Carteret; Caswell; Catawba; Chatham; Cherokee; Chowan; Clay; Cleveland; Columbus; Craven; Cumberland; Currituck; Dare; Davidson; Davie; Duplin; Durham; Edgecombe; Forsyth; Franklin; Gaston; Gates; Graham; Granville; Greene; Guilford; Halifax; Harnett; Haywood; Henderson; Hertford; Hoke; Hyde; Iredell; Jackson; Johnston; Jones; Lee; Lenoir; Lincoln; Macon; Madison; Martin; McDowell; Mecklenburg; Mitchell; Montgomery; Moore; Nash; New Hanover; Northampton; Onslow; Orange; Pamlico; Pasquotank; Pender; Perquimans; Person; Pitt; Polk; Randolph; Richmond; Robeson; Rockingham; Rowan; Rutherford; Sampson; Scotland; Stanly; Stokes; Surry; Swain; Transylvania; Tyrrell; Union; Vance; Wake; Warren; Washington; Watauga; Wayne; Wilkes; Wilson; Yadkin; Yancey

```
Compound::fromSRID(Compound::EPSG_NAD83_NORTH_CAROLINA_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8768')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NORTH_CAROLINA_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8768')
```

NAD83 / North Dakota North (ft) + NAVD88 height (ft)

Extent: United States (USA) - North Dakota - counties of Benson; Bottineau; Burke; Cavalier; Divide; Eddy; Foster; Grand Forks; Griggs; McHenry; McKenzie; McLean; Mountrial; Nelson; Pembina; Pierce; Ramsey; Renville; Rolette; Sheridan; Steele; Towner; Traill; Walsh; Ward; Wells; Williams

```
Compound::fromSRID(Compound::EPSG_NAD83_NORTH_DAKOTA_NORTH_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8707')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NORTH_DAKOTA_NORTH_FT_PLUS_
↪NAVD88_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8707')
```

NAD83 / North Dakota South (ft) + NAVD88 height (ft)

Extent: United States (USA) - North Dakota - counties of Adams; Barnes; Billings; Bowman; Burleigh; Cass; Dickey; Dunn; Emmons; Golden Valley; Grant; Hettinger; Kidder; La Moure; Logan; McIntosh; Mercer; Morton; Oliver; Ransom; Richland; Sargent; Sioux; Slope; Stark; Stutsman

```
Compound::fromSRID(Compound::EPSG_NAD83_NORTH_DAKOTA_SOUTH_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8708')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NORTH_DAKOTA_SOUTH_FT_PLUS_
↪NAVD88_HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8708')
```

NAD83 / Ohio North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Ohio - counties of Allen;Ashland; Ashtabula; Auglaize; Carroll; Columbiana; Coshocton; Crawford; Cuyahoga; Defiance; Delaware; Erie; Fulton; Geauga; Hancock; Hardin; Harrison; Henry; Holmes; Huron; Jefferson; Knox; Lake; Logan; Lorain; Lucas; Mahoning; Marion; Medina; Mercer; Morrow; Ottawa; Paulding; Portage; Putnam; Richland; Sandusky; Seneca; Shelby; Stark; Summit; Trumbull; Tuscarawas; Union; Van Wert; Wayne; Williams; Wood; Wyandot

```
Compound::fromSRID(Compound::EPSG_NAD83_OHIO_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8769')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_OHIO_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8769')
```

NAD83 / Ohio South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Ohio - counties of Adams; Athens; Belmont; Brown; Butler; Champaign; Clark; Clermont; Clinton; Darke; Fairfield; Fayette; Franklin; Gallia; Greene; Guernsey; Hamilton; Highland; Hocking; Jackson; Lawrence; Licking; Madison; Meigs; Miami; Monroe; Montgomery; Morgan; Muskingum; Noble; Perry; Pickaway; Pike; Preble; Ross; Scioto; Vinton; Warren; Washington

```
Compound::fromSRID(Compound::EPSG_NAD83_OHIO_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8770')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_OHIO_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8770')
```

NAD83 / Oklahoma North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Oklahoma - counties of Adair; Alfalfa; Beaver; Blaine; Canadian; Cherokee; Cimarron; Craig; Creek; Custer; Delaware; Dewey; Ellis; Garfield; Grant; Harper; Kay; Kingfisher; Lincoln; Logan; Major; Mayes; Muskogee; Noble; Nowata; Okfuskee; Oklahoma; Okmulgee; Osage; Ottawa; Pawnee; Payne; Roger Mills; Rogers; Sequoyah; Texas; Tulsa; Wagoner; Washington; Woods; Woodward

```
Compound::fromSRID(Compound::EPSG_NAD83_OKLAHOMA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8771')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_OKLAHOMA_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8771')
```

NAD83 / Oklahoma South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Oklahoma - counties of Atoka; Beckham; Bryan; Caddo; Carter; Choctaw; Cleveland; Coal; Comanche; Cotton; Garvin; Grady; Greer; Harmon; Haskell; Hughes; Jackson; Jefferson; Johnston; Kiowa; Latimer; Le Flore; Love; Marshall; McClain; McCurtain; McIntosh; Murray; Pittsburg; Pontotoc; Pottawatomie; Pushmataha; Seminole; Stephens; Tillman; Washita

```
Compound::fromSRID(Compound::EPSG_NAD83_OKLAHOMA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8772')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_OKLAHOMA_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8772')
```

NAD83 / Oregon North (ft) + NAVD88 height (ft)

Extent: United States (USA) - Oregon - counties of Baker; Benton; Clackamas; Clatsop; Columbia; Gilliam; Grant; Hood River; Jefferson; Lincoln; Linn; Marion; Morrow; Multnomah; Polk; Sherman; Tillamook; Umatilla; Union; Wallowa; Wasco; Washington; Wheeler; Yamhill

```
Compound::fromSRID(Compound::EPSG_NAD83_OREGON_NORTH_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8709')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_OREGON_NORTH_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8709')
```

NAD83 / Oregon South (ft) + NAVD88 height (ft)

Extent: United States (USA) - Oregon - counties of Coos; Crook; Curry; Deschutes; Douglas; Harney; Jackson; Josephine; Klamath; Lake; Lane; Malheur

```
Compound::fromSRID(Compound::EPSG_NAD83_OREGON_SOUTH_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8710')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_OREGON_SOUTH_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8710')
```

NAD83 / Pennsylvania North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Bradford; Cameron; Carbon; Centre; Clarion; Clearfield; Clinton; Columbia; Crawford; Elk; Erie; Forest; Jefferson; Lackawanna; Luzerne; Lycoming; McKean; Mercer; Monroe; Montour; Northumberland; Pike; Potter; Sullivan; Susquehanna; Tioga; Union; Venango; Warren; Wayne; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_PENNSYLVANIA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8773')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_PENNSYLVANIA_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8773')
```

NAD83 / Pennsylvania South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Pennsylvania - counties of Adams; Allegheny; Armstrong; Beaver; Bedford; Berks; Blair; Bucks; Butler; Cambria; Chester; Cumberland; Dauphin; Delaware; Fayette; Franklin; Fulton; Greene; Huntingdon; Indiana; Juniata; Lancaster; Lawrence; Lebanon; Lehigh; Mifflin; Montgomery; Northampton; Perry; Philadelphia; Schuylkill; Snyder; Somerset; Washington; Westmoreland; York

```
Compound::fromSRID(Compound::EPSG_NAD83_PENNSYLVANIA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8774')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_PENNSYLVANIA_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8774')
```

NAD83 / Rhode Island (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Rhode Island - counties of Bristol; Kent; Newport; Providence; Washington

```
Compound::fromSRID(Compound::EPSG_NAD83_RHODE_ISLAND_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8775')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_RHODE_ISLAND_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8775')
```

NAD83 / South Carolina (ft) + NAVD88 height (ft)

Extent: United States (USA) - South Carolina - counties of Abbeville; Aiken; Allendale; Anderson; Bamberg; Barnwell; Beaufort; Berkeley; Calhoun; Charleston; Cherokee; Chester; Chesterfield; Clarendon; Colleton; Darlington; Dillon; Dorchester; Edgefield; Fairfield; Florence; Georgetown; Greenville; Greenwood; Hampton; Horry; Jasper; Kershaw; Lancaster; Laurens; Lee; Lexington; Marion; Marlboro; McCormick; Newberry; Oconee; Orangeburg; Pickens; Richland; Saluda; Spartanburg; Sumter; Union; Williamsburg; York

```
Compound::fromSRID(Compound::EPSG_NAD83_SOUTH_CAROLINA_FT_PLUS_NAVD88_HEIGHT_FT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8711')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_SOUTH_CAROLINA_FT_PLUS_NAVD88_
↪HEIGHT_FT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8711')
```

NAD83 / South Dakota North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - South Dakota - counties of Beadle; Brookings; Brown; Butte; Campbell; Clark; Codington; Corson; Day; Deuel; Dewey; Edmunds; Faulk; Grant; Hamlin; Hand; Harding; Hyde; Kingsbury; Lawrence; Marshall; McPherson; Meade; Perkins; Potter; Roberts; Spink; Sully; Walworth; Ziebach

```
Compound::fromSRID(Compound::EPSG_NAD83_SOUTH_DAKOTA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8776')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_SOUTH_DAKOTA_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8776')
```

NAD83 / South Dakota South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - South Dakota - counties of Aurora; Bennett; Bon Homme; Brule; Buffalo; Charles Mix; Clay; Custer; Davison; Douglas; Fall River; Gregory; Haakon; Hanson; Hughes; Hutchinson; Jackson; Jerauld; Jones; Lake; Lincoln; Lyman; McCook; Mellette; Miner; Minnehaha; Moody; Pennington; Sanborn; Shannon; Stanley; Todd; Tripp; Turner; Union; Yankton

```
Compound::fromSRID(Compound::EPSG_NAD83_SOUTH_DAKOTA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8777')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_SOUTH_DAKOTA_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8777')
```

NAD83 / Tennessee (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Tennessee - counties of Anderson; Bedford; Benton; Bledsoe; Blount; Bradley; Campbell; Cannon; Carroll; Carter; Cheatham; Chester; Claiborne; Clay; Cocke; Coffee; Crockett; Cumberland; Davidson; De Kalb; Decatur; Dickson; Dyer; Fayette; Fentress; Franklin; Gibson; Giles; Grainger; Greene; Grundy; Hamblen; Hamilton; Hancock; Hardeman; Hardin; Hawkins; Haywood; Henderson; Henry; Hickman; Houston; Humphreys; Jackson; Jefferson; Johnson; Knox; Lake; Lauderdale; Lawrence; Lewis; Lincoln; Loudon; Macon; Madison; Marion; Marshall; Maury; McMinn; McNairy; Meigs; Monroe; Montgomery; Moore; Morgan; Obion; Overton; Perry; Pickett; Polk; Putnam; Rhea; Roane; Robertson; Rutherford; Scott; Sequatchie; Sevier; Shelby; Smith; Stewart; Sullivan; Sumner; Tipton; Trousdale; Unicoi; Union; Van Buren; Warren; Washington; Wayne; Weakley; White; Williamson; Wilson

```
Compound::fromSRID(Compound::EPSG_NAD83_TENNESSEE_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8778')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_TENNESSEE_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8778')
```

NAD83 / Texas Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Texas - counties of Anderson; Angelina; Bastrop; Bell; Blanco; Bosque; Brazos; Brown; Burleson; Burnet; Cherokee; Coke; Coleman; Comanche; Concho; Coryell; Crane; Crockett; Culberson; Ector; El Paso; Falls; Freestone; Gillespie; Glasscock; Grimes; Hamilton; Hardin; Houston; Hudspeth; Irion; Jasper; Jeff Davis; Kimble; Lampasas; Lee; Leon; Liberty; Limestone; Llano; Loving; Madison; Mason; McCulloch; McLennan; Menard; Midland; Milam; Mills; Montgomery; Nacogdoches; Newton; Orange; Pecos; Polk; Reagan; Reeves; Robertson; Runnels; Sabine; San Augustine; San Jacinto; San Saba; Schleicher; Shelby; Sterling; Sutton; Tom Green; Travis; Trinity; Tyler; Upton; Walker; Ward; Washington; Williamson; Winkler

```
Compound::fromSRID(Compound::EPSG_NAD83_TEXAS_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8781')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_TEXAS_CENTRAL_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8781')
```

NAD83 / Texas North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Texas - counties of: Armstrong; Briscoe; Carson; Castro; Childress; Collingsworth; Dallam; Deaf Smith; Donley; Gray; Hall; Hansford; Hartley; Hemphill; Hutchinson; Lipscomb; Moore; Ochiltree; Oldham; Parmer; Potter; Randall; Roberts; Sherman; Swisher; Wheeler

```
Compound::fromSRID(Compound::EPSG_NAD83_TEXAS_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8779')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_TEXAS_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8779')
```

NAD83 / Texas North Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Texas - counties of: Andrews; Archer; Bailey; Baylor; Borden; Bowie; Callahan; Camp; Cass; Clay; Cochran; Collin; Cooke; Cottle; Crosby; Dallas; Dawson; Delta; Denton; Dickens; Eastland; Ellis; Erath; Fannin; Fisher; Floyd; Foard; Franklin; Gaines; Garza; Grayson; Gregg; Hale; Hardeman; Harrison; Haskell; Henderson; Hill; Hockley; Hood; Hopkins; Howard; Hunt; Jack; Johnson; Jones; Kaufman; Kent; King; Knox; Lamar; Lamb; Lubbock; Lynn; Marion; Martin; Mitchell; Montague; Morris; Motley; Navarro; Nolan; Palo Pinto; Panola; Parker; Rains; Red River; Rockwall; Rusk; Scurry; Shackelford; Smith; Somervell; Stephens; Stonewall; Tarrant; Taylor; Terry; Throckmorton; Titus; Upshur; Van Zandt; Wichita; Wilbarger; Wise; Wood; Yoakum; Young

```
Compound::fromSRID(Compound::EPSG_NAD83_TEXAS_NORTH_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8780')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_TEXAS_NORTH_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8780')
```

NAD83 / Texas South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Texas - counties of Brooks; Cameron; Duval; Hidalgo; Jim Hogg; Jim Wells; Kenedy; Kleberg; Nueces; San Patricio; Starr; Webb; Willacy; Zapata

```
Compound::fromSRID(Compound::EPSG_NAD83_TEXAS_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8783')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_TEXAS_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8783')
```

NAD83 / Texas South Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Texas - counties of Aransas; Atascosa; Austin; Bandera; Bee; Bexar; Brazoria; Brewster; Caldwell; Calhoun; Chambers; Colorado; Comal; De Witt; Dimmit; Edwards; Fayette; Fort Bend; Frio; Galveston; Goliad; Gonzales; Guadalupe; Harris; Hays; Jackson; Jefferson; Karnes; Kendall; Kerr; Kinney; La Salle; Lavaca; Live Oak; Matagorda; Maverick; McMullen; Medina; Presidio; Real; Refugio; Terrell; Uvalde; Val Verde; Victoria; Waller; Wharton; Wilson; Zavala

```
Compound::fromSRID(Compound::EPSG_NAD83_TEXAS_SOUTH_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8782')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_TEXAS_SOUTH_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8782')
```

NAD83 / Utah Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Utah - counties of Carbon; Duchesne; Emery; Grand; Juab; Millard; Salt Lake; Sanpete; Sevier; Tooele; Uintah; Utah; Wasatch

```
Compound::fromSRID(Compound::EPSG_NAD83_UTAH_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8785')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_UTAH_CENTRAL_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8785')
```

NAD83 / Utah North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Utah - counties of Box Elder; Cache; Daggett; Davis; Morgan; Rich; Summit; Weber

```
Compound::fromSRID(Compound::EPSG_NAD83_UTAH_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8784')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_UTAH_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8784')
```

NAD83 / Utah South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Utah - counties of Beaver; Garfield; Iron; Kane; Piute; San Juan; Washington; Wayne

```
Compound::fromSRID(Compound::EPSG_NAD83_UTAH_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8786')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_UTAH_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8786')
```

NAD83 / Vermont (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Vermont - counties of Addison; Bennington; Caledonia; Chittenden; Essex; Franklin; Grand Isle; Lamoille; Orange; Orleans; Rutland; Washington; Windham; Windsor

```
Compound::fromSRID(Compound::EPSG_NAD83_VERMONT_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8787')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_VERMONT_FTUS_PLUS_NAVD88_HEIGHT_
↪FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8787')
```

NAD83 / Virginia North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Virginia - counties of Arlington; Augusta; Bath; Caroline; Clarke; Culpeper; Fairfax; Fauquier; Frederick; Greene; Highland; King George; Loudoun; Madison; Orange; Page; Prince William; Rappahannock; Rockingham; Shenandoah; Spotsylvania; Stafford; Warren; Westmoreland

```
Compound::fromSRID(Compound::EPSG_NAD83_VIRGINIA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8788')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_VIRGINIA_NORTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8788')
```

NAD83 / Virginia South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Virginia - counties of Accomack; Albemarle; Alleghany; Amelia; Amherst; Appomattox; Bedford; Bland; Botetourt; Bristol; Brunswick; Buchanan; Buckingham; Campbell; Carroll; Charles City; Charlotte; Chesapeake; Chesterfield; Colonial Heights; Craig; Cumberland; Dickenson; Dinwiddie; Essex; Floyd; Fluvanna; Franklin; Giles; Gloucester; Goochland; Grayson; Greensville; Halifax; Hampton; Hanover; Henrico; Henry; Isle of Wight; James City; King and Queen; King William; Lancaster; Lee; Louisa; Lunenburg; Lynchburg; Mathews; Mecklenburg; Middlesex; Montgomery; Nelson; New Kent; Newport News; Norfolk; Northampton; Northumberland; Norton; Nottoway; Patrick; Petersburg; Pittsylvania; Portsmouth; Powhatan; Prince Edward; Prince George; Pulaski; Richmond; Roanoke; Rockbridge; Russell; Scott; Smyth; Southampton; Suffolk; Surry; Sussex; Tazewell; Washington; Wise; Wythe; York

```
Compound::fromSRID(Compound::EPSG_NAD83_VIRGINIA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8789')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_VIRGINIA_SOUTH_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8789')
```

NAD83 / Washington North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Washington - counties of Chelan; Clallam; Douglas; Ferry; Grant north of approximately 47°30'N; Island; Jefferson; King; Kitsap; Lincoln; Okanogan; Pend Oreille; San Juan; Skagit; Snohomish; Spokane; Stevens; Whatcom

```
Compound::fromSRID(Compound::EPSG_NAD83_WASHINGTON_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8790')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WASHINGTON_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8790')
```

NAD83 / Washington South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Washington - counties of Adams; Asotin; Benton; Clark; Columbia; Cowlitz; Franklin; Garfield; Grant south of approximately 47°30'N; Grays Harbor; Kittitas; Klickitat; Lewis; Mason; Pacific; Pierce; Skamania; Thurston; Wahkiakum; Walla Walla; Whitman; Yakima

```
Compound::fromSRID(Compound::EPSG_NAD83_WASHINGTON_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8791')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WASHINGTON_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8791')
```

NAD83 / West Virginia North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - West Virginia - counties of Barbour; Berkeley; Brooke; Doddridge; Grant; Hampshire; Hancock; Hardy; Harrison; Jefferson; Marion; Marshall; Mineral; Monongalia; Morgan; Ohio; Pleasants; Preston; Ritchie; Taylor; Tucker; Tyler; Wetzel; Wirt; Wood

```
Compound::fromSRID(Compound::EPSG_NAD83_WEST_VIRGINIA_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8792')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WEST_VIRGINIA_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8792')
```

NAD83 / West Virginia South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - West Virginia - counties of Boone; Braxton; Cabell; Calhoun; Clay; Fayette; Gilmer; Greenbrier; Jackson; Kanawha; Lewis; Lincoln; Logan; Mason; McDowell; Mercer; Mingo; Monroe; Nicholas; Pendleton; Pocahontas; Putnam; Raleigh; Randolph; Roane; Summers; Upshur; Wayne; Webster; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_WEST_VIRGINIA_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8793')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WEST_VIRGINIA_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8793')
```

NAD83 / Wisconsin Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wisconsin - counties of Barron; Brown; Buffalo; Chippewa; Clark; Door; Dunn; Eau Claire; Jackson; Kewaunee; Langlade; Lincoln; Marathon; Marinette; Menominee; Oconto; Outagamie; Pepin; Pierce; Polk; Portage; Rusk; Shawano; St Croix; Taylor; Trempealeau; Waupaca; Wood

```
Compound::fromSRID(Compound::EPSG_NAD83_WISCONSIN_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8795')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WISCONSIN_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8795')
```

NAD83 / Wisconsin North (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wisconsin - counties of Ashland; Bayfield; Burnett; Douglas; Florence; Forest; Iron; Oneida; Price; Sawyer; Vilas; Washburn

```
Compound::fromSRID(Compound::EPSG_NAD83_WISCONSIN_NORTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8794')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WISCONSIN_NORTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8794')
```

NAD83 / Wisconsin South (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wisconsin - counties of Adams; Calumet; Columbia; Crawford; Dane; Dodge; Fond Du Lac; Grant; Green; Green Lake; Iowa; Jefferson; Juneau; Kenosha; La Crosse; Lafayette; Manitowoc; Marquette; Milwaukee; Monroe; Ozaukee; Racine; Richland; Rock; Sauk; Sheboygan; Vernon; Walworth; Washington; Waukesha; Waushara; Winnebago

```
Compound::fromSRID(Compound::EPSG_NAD83_WISCONSIN_SOUTH_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8796')
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CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WISCONSIN_SOUTH_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8796')
```

NAD83 / Wyoming East (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wyoming - counties of Albany; Campbell; Converse; Crook; Goshen; Laramie; Niobrara; Platte; Weston

```
Compound::fromSRID(Compound::EPSG_NAD83_WYOMING_EAST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8797')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WYOMING_EAST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8797')
```

NAD83 / Wyoming East Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wyoming - counties of Big Horn; Carbon; Johnson; Natrona; Sheridan; Washakie

```
Compound::fromSRID(Compound::EPSG_NAD83_WYOMING_EAST_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_
↪FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8798')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WYOMING_EAST_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8798')
```

NAD83 / Wyoming West (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wyoming - counties of Lincoln; Sublette; Teton; Uinta

```
Compound::fromSRID(Compound::EPSG_NAD83_WYOMING_WEST_FTUS_PLUS_NAVD88_HEIGHT_FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8800')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WYOMING_WEST_FTUS_PLUS_NAVD88_
↪HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8800')
```

NAD83 / Wyoming West Central (ftUS) + NAVD88 height (ftUS)

Extent: United States (USA) - Wyoming - counties of Fremont; Hot Springs; Park; Sweetwater

```
Compound::fromSRID(Compound::EPSG_NAD83_WYOMING_WEST_CENTRAL_FTUS_PLUS_NAVD88_HEIGHT_
↪FTUS)
Compound::fromSRID('urn:ogc:def:crs:EPSG::8799')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_WYOMING_WEST_CENTRAL_FTUS_PLUS_
↪NAVD88_HEIGHT_FTUS)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::8799')
```

NAD83(2011) + NAVD88 height

Extent: United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska mainland; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_2011_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6349')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_2011_PLUS_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6349')
```

Replaces NAD83(NSRS2007) + NAVD88 height

NAD83(2011) + PRVD02 height

Extent: Puerto Rico - onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_2011_PLUS_PRVD02_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9522')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_2011_PLUS_PRVD02_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9522')
```

NAD83(2011) + VIVD09 height

Extent: US Virgin Islands - onshore - St Croix, St John, and St Thomas

```
Compound::fromSRID(Compound::EPSG_NAD83_2011_PLUS_VIVD09_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9523')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_2011_PLUS_VIVD09_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9523')
```

NAD83(CSRS) + CGVD2013(CGG2013) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_PLUS_CGVD2013_CGG2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6649')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_PLUS_CGVD2013_CGG2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6649')
```

NAD83(CSRS) / UTM zone 10N + CGVD2013 height

Extent: Canada between 126°W and 120°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_10N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6653')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_10N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6653')
```

NAD83(CSRS) / UTM zone 11N + CGVD2013 height

Extent: Canada between 120°W and 114°W onshore and offshore - Alberta, British Columbia, Northwest Territories, Nunavut

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_11N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6654')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_11N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6654')
```

NAD83(CSRS) / UTM zone 12N + CGVD2013 height

Extent: Canada between 114°W and 108°W onshore and offshore - Alberta, Northwest Territories, Nunavut, Saskatchewan

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_12N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6655')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_12N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6655')
```

NAD83(CSRS) / UTM zone 13N + CGVD2013 height

Extent: Canada between 108°W and 102°W onshore and offshore - Northwest Territories, Nunavut, Saskatchewan

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_13N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6656')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_13N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6656')
```

NAD83(CSRS) / UTM zone 14N + CGVD2013 height

Extent: Canada between 102°W and 96°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Saskatchewan

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_14N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6657')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_14N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6657')
```

NAD83(CSRS) / UTM zone 15N + CGVD2013 height

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_15N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6658')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_15N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6658')
```

NAD83(CSRS) / UTM zone 15N + CGVD2013a(2010) height

Extent: Canada between 96°W and 90°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_15N_PLUS_CGVD2013A_2010_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9715')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_15N_PLUS_
↪CGVD2013A_2010_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9715')
```

Replaces NAD83(CSRS) / UTM zone 15N + CGVD2013 height (CCRS code 6658).

NAD83(CSRS) / UTM zone 16N + CGVD2013 height

Extent: Canada between 90°W and 84°W, onshore and offshore south of 84°N - Manitoba, Nunavut, Ontario

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_16N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6659')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_16N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6659')
```

NAD83(CSRS) / UTM zone 17N + CGVD2013 height

Extent: Canada between 84°W and 78°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_17N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6660')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_17N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6660')
```

NAD83(CSRS) / UTM zone 18N + CGVD2013 height

Extent: Canada between 78°W and 72°W, onshore and offshore south of 84°N - Nunavut, Ontario and Quebec

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_18N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6661')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_18N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6661')
```

NAD83(CSRS) / UTM zone 19N + CGVD2013 height

Extent: Canada between 72°W and 66°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Quebec

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_19N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6662')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_19N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6662')
```

NAD83(CSRS) / UTM zone 20N + CGVD2013 height

Extent: Canada between 66°W and 60°W onshore and offshore - New Brunswick, Labrador, Nova Scotia, Nunavut, Prince Edward Island, Quebec

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_20N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6663')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_20N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6663')
```

NAD83(CSRS) / UTM zone 21N + CGVD2013 height

Extent: Canada between 60°W and 54°W - Newfoundland and Labrador; Nunavut; Quebec

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_21N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6664')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_21N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6664')
```

NAD83(CSRS) / UTM zone 22N + CGVD2013 height

Extent: Canada between 54°W and 48°W onshore and offshore - Newfoundland and Labrador

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_22N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6665')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_22N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6665')
```

NAD83(CSRS) / UTM zone 23N + CGVD2013 height

Extent: Canada offshore Atlantic - 48°W to 42°W

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_23N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9711')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_23N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9711')
```

NAD83(CSRS) / UTM zone 24N + CGVD2013 height

Extent: Canada offshore Atlantic - east of 42°W

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_24N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9714')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_24N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9714')
```

NAD83(CSRS) / UTM zone 7N + CGVD2013 height

Extent: Canada west of 138°W, onshore and offshore south of 84°N - British Columbia, Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_7N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6650')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_7N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6650')
```

NAD83(CSRS) / UTM zone 8N + CGVD2013 height

Extent: Canada between 138°W and 132°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_8N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6651')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_8N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6651')
```

NAD83(CSRS) / UTM zone 9N + CGVD2013 height

Extent: Canada - between 132°W and 126°W, onshore and offshore south of 84°N - British Columbia, Northwest Territories, Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_9N_PLUS_CGVD2013_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6652')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_UTM_ZONE_9N_PLUS_CGVD2013_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6652')
```

NAD83(CSRS)v3 + CGVD2013a(1997) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V3_PLUS_CGVD2013A_1997_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::20038')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_V3_PLUS_CGVD2013A_1997_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20038')
```

NAD83(CSRS)v4 + CGVD2013a(2002) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V4_PLUS_CGVD2013A_2002_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::20037')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_V4_PLUS_CGVD2013A_2002_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20037')
```

NAD83(CSRS)v6 + CGVD2013a(2010) height

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V6_PLUS_CGVD2013A_2010_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9544')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_CSRS_V6_PLUS_CGVD2013A_2010_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9544')
```

NAD83(HARN) + NAVD88 height

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_HARN_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5499')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_HARN_PLUS_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5499')
```

NAD83(MA11) + GUVD04 height

Extent: Guam - onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_GUVD04_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9524')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_GUVD04_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9524')
```

NAD83(MA11) + NMVD03 height

Extent: Northern Mariana Islands - onshore

```
Compound::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_NMVD03_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9525')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_NMVD03_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9525')
```

NAD83(NSRS2007) + NAVD88 height

Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Compound::fromSRID(Compound::EPSG_NAD83_NSRS2007_PLUS_NAVD88_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5500')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_NSRS2007_PLUS_NAVD88_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5500')
```

NAD83(PA11) + ASVD02 height

Extent: American Samoa - Tutuila island

```
Compound::fromSRID(Compound::EPSG_NAD83_PA11_PLUS_ASVD02_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9526')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NAD83_PA11_PLUS_ASVD02_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9526')
```

NTF (Paris) + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_NTF_PARIS_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7400')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NTF_PARIS_PLUS_NGF_IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7400')
```

NTF (Paris) / Lambert zone I + NGF-IGN69 height

Extent: France mainland onshore north of 53.5 grads North (48°09'N)

```
Compound::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_I_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5707')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_I_PLUS_NGF_
↪IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5707')
```

NTF (Paris) / Lambert zone II + NGF Lallemand height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_II_PLUS_NGF_LALLEMAND_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7411')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_II_PLUS_NGF_
↪LALLEMAND_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7411')
```

NTF (Paris) / Lambert zone II + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_II_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7421')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_II_PLUS_NGF_
↪IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7421')
```

NTF (Paris) / Lambert zone III + NGF-IGN69 height

Extent: France - mainland onshore south of 50.5 grads North (45°27'N)

```
Compound::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_III_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7422')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_III_PLUS_NGF_
↪IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7422')
```

NTF (Paris) / Lambert zone IV + NGF-IGN78 height

Extent: France - Corsica onshore

```
Compound::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_IV_PLUS_NGF_IGN78_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5708')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NTF_PARIS_LAMBERT_ZONE_IV_PLUS_NGF_
↪IGN78_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5708')
```

NZGD2000 + NZVD2009 height

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Compound::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2009_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9527')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2009_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9527')
```

NZGD2000 + NZVD2016 height

Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Compound::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2016_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9528')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2016_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9528')
```

OSGB36 / British National Grid + BI height

Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland). Isle of Man onshore

```
Compound::fromSRID(Compound::EPSG_OSGB36_BRITISH_NATIONAL_GRID_PLUS_BI_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9920')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_OSGB36_BRITISH_NATIONAL_GRID_PLUS_BI_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9920')
```

BI height is based on an ensemble including ODN, ODN (Offshore) and island vertical datums.

OSGB36 / British National Grid + ODN height

Extent: United Kingdom (UK) - Great Britain onshore - England and Wales - mainland; Scotland - mainland and Inner Hebrides

```
Compound::fromSRID(Compound::EPSG_OSGB36_BRITISH_NATIONAL_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7405')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_OSGB36_BRITISH_NATIONAL_GRID_PLUS_ODN_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7405')
```

OxWo08 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Oxford to Worcester

```
Compound::fromSRID(Compound::EPSG_OXWO08_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10236')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_OXWO08_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10236')
```

POSGAR 2007 + SRVN16 height

Extent: Argentina - onshore

```
Compound::fromSRID(Compound::EPSG_POSGAR_2007_PLUS_SRVN16_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9521')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_POSGAR_2007_PLUS_SRVN16_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9521')
```

PSHD93

Extent: Oman - onshore. Includes Musandam and the Kuria Muria (Al Hallaniyah) islands

```
Compound::fromSRID(Compound::EPSG_PSHD93)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7410')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_PSHD93)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7410')
```

RBEPP12 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Reading via Newbury to Penzance

```
Compound::fromSRID(Compound::EPSG_RBEPP12_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10281')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RBEPP12_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10281')
```

REGCAN95 + El Hierro height

Extent: Spain - Canary Islands - El Hierro onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_EL_HIERRO_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9510')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_EL_HIERRO_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9510')
```

REGCAN95 + Fuerteventura height

Extent: Spain - Canary Islands - Fuerteventura onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_FUERTEVENTURA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9511')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_FUERTEVENTURA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9511')
```

REGCAN95 + Gran Canaria height

Extent: Spain - Canary Islands - Gran Canaria onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_GRAN_CANARIA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9512')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_GRAN_CANARIA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9512')
```

REGCAN95 + La Gomera height

Extent: Spain - Canary Islands - La Gomera onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_LA_GOMERA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9513')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_LA_GOMERA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9513')
```

REGCAN95 + La Palma height

Extent: Spain - Canary Islands - La Palma onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_LA_PALMA_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9514')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_LA_PALMA_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9514')
```

REGCAN95 + Lanzarote height

Extent: Spain - Canary Islands - Lanzarote onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_LANZAROTE_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9515')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_LANZAROTE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9515')
```

REGCAN95 + Tenerife height

Extent: Spain - Canary Islands - Tenerife onshore

```
Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_TENERIFE_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9516')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_REGCAN95_PLUS_TENERIFE_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9516')
```

RGAF09 + Guadeloupe 1988 height

Extent: Guadeloupe - onshore - Basse-Terre and Grande-Terre

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_GUADELOUPE_1988_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9531')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_GUADELOUPE_1988_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9531')
```

RGAF09 + IGN 1988 LS height

Extent: Guadeloupe - onshore - Les Saintes

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_LS_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9532')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_LS_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9532')
```

RGAF09 + IGN 1988 MG height

Extent: Guadeloupe - onshore - Marie-Galante

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_MG_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9533')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_MG_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9533')
```

RGAF09 + IGN 1988 SB height

Extent: Guadeloupe - onshore - St Barthelemy island

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SB_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9534')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SB_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9534')
```

RGAF09 + IGN 1988 SM height

Extent: Guadeloupe - onshore - St Martin island

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SM_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9535')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SM_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9535')
```

RGAF09 + IGN 2008 LD height

Extent: Guadeloupe - onshore - La Desirade

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_2008_LD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9536')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_2008_LD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9536')
```

RGAF09 + Martinique 1987 height

Extent: Martinique - onshore

```
Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_MARTINIQUE_1987_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9537')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGAF09_PLUS_MARTINIQUE_1987_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9537')
```

RGF93 v1 / Lambert-93 + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V1_LAMBERT_93_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5698')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V1_LAMBERT_93_PLUS_NGF_IGN69_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5698')
```

Replaced by RGF93 v2 / Lambert-93 + NGF-IGN69 height (CRS code 10497) from 2010-06-18.

RGF93 v1 / Lambert-93 + NGF-IGN78 height

Extent: France - Corsica onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V1_LAMBERT_93_PLUS_NGF_IGN78_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5699')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V1_LAMBERT_93_PLUS_NGF_IGN78_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5699')
```

Replaced by RGF93 v2 / Lambert-93 + NGF-IGN78 height (CRS code 10498) from 2010-06-18.

RGF93 v2 + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9538')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2_PLUS_NGF_IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9538')
```

RGF93 v2 + NGF-IGN78 height

Extent: France - Corsica onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2_PLUS_NGF_IGN78_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9539')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2_PLUS_NGF_IGN78_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9539')
```

RGF93 v2 / Lambert-93 + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2_LAMBERT_93_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10497')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2_LAMBERT_93_PLUS_NGF_IGN69_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10497')
```

Replaces RGF93 v1 / Lambert-93 + NGF-IGN69 height (CRS code 5698) from 2010-06-18. Replaced by RGF93 v2b / Lambert-93 + NGF-IGN69 height (CRS code 10499) from 2021-01-05.

RGF93 v2 / Lambert-93 + NGF-IGN78 height

Extent: France - Corsica onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2_LAMBERT_93_PLUS_NGF_IGN78_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10498')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2_LAMBERT_93_PLUS_NGF_IGN78_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10498')
```

Replaces RGF93 v1 / Lambert-93 + NGF-IGN78 height (CRS code 5699) from 2010-06-18. Replaced by RGF93 v2b / Lambert-93 + NGF-IGN78 height (CRS code 10500) from 2021-01-05.

RGF93 v2b + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9785')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9785')
```

RGF93 v2b + NGF-IGN78 height

Extent: France - Corsica onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN78_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10507')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN78_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10507')
```

RGF93 v2b / Lambert-93 + NGF-IGN69 height

Extent: France - mainland onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2B_LAMBERT_93_PLUS_NGF_IGN69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10499')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2B_LAMBERT_93_PLUS_NGF_IGN69_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10499')
```

Replaces RGF93 v2 / Lambert-93 + NGF-IGN69 height (CRS code 10497) from 2021-01-05.

RGF93 v2b / Lambert-93 + NGF-IGN78 height

Extent: France - Corsica onshore

```
Compound::fromSRID(Compound::EPSG_RGF93_V2B_LAMBERT_93_PLUS_NGF_IGN78_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10500')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGF93_V2B_LAMBERT_93_PLUS_NGF_IGN78_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10500')
```

Replaces RGF93 v2 / Lambert-93 + NGF-IGN78 height (CRS code 10498) from 2021-01-05.

RGFG95 + NGG1977 height

Extent: French Guiana - onshore

```
Compound::fromSRID(Compound::EPSG_RGFG95_PLUS_NGG1977_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9530')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGFG95_PLUS_NGG1977_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9530')
```

RGNC15 (lon-lat) + NGNC08 height

Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands (Lifou, Mare, Ouvea)

```
Compound::fromSRID(Compound::EPSG_RGNC15_LON_LAT_PLUS_NGNC08_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10318')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGNC15_LON_LAT_PLUS_NGNC08_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10318')
```

RGNC91-93 + NGNC08 height

Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands (Lifou, Mare, Ouvea)

```
Compound::fromSRID(Compound::EPSG_RGNC91_93_PLUS_NGNC08_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9540')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGNC91_93_PLUS_NGNC08_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9540')
```

RGSPM06 + Danger 1950 height

Extent: St Pierre and Miquelon - onshore

```
Compound::fromSRID(Compound::EPSG_RGSPM06_PLUS_DANGER_1950_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9541')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RGSPM06_PLUS_DANGER_1950_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9541')
```

RRAF 1991 + IGN 2008 LD height

Extent: Guadeloupe - onshore - La Desirade

```
Compound::fromSRID(Compound::EPSG_RRAF_1991_PLUS_IGN_2008_LD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9542')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RRAF_1991_PLUS_IGN_2008_LD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9542')
```

RT90 + RH70 height

Extent: Sweden - onshore

```
Compound::fromSRID(Compound::EPSG_RT90_PLUS_RH70_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7404')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_RT90_PLUS_RH70_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7404')
```

When combined with geoid model RN92 forms geographic 3D CRS RR92.

SCM22 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the Scottish central mainline rail route from Motherwell through Perth and Pitlochry to Inverness

```
Compound::fromSRID(Compound::EPSG_SCM22_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9973')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SCM22_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9973')
```

SHGD2015 + SHVD2015 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Compound::fromSRID(Compound::EPSG_SHGD2015_PLUS_SHVD2015_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9517')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SHGD2015_PLUS_SHVD2015_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9517')
```

SHMG2015 + SHVD2015 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Compound::fromSRID(Compound::EPSG_SHMG2015_PLUS_SHVD2015_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7956')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SHMG2015_PLUS_SHVD2015_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7956')
```

SMITB20 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Okehampton to Penstone

```
Compound::fromSRID(Compound::EPSG_SMITB20_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10276')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SMITB20_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10276')
```

SRGI2013 + INAGeoid2020 v1 height

Extent: Indonesia - onshore and offshore

```
Compound::fromSRID(Compound::EPSG_SRGI2013_PLUS_INAGEOID2020_V1_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9529')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SRGI2013_PLUS_INAGEOID2020_V1_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9529')
```

SRGI2013 + INAGeoid2020 v2 height

Extent: Indonesia - onshore and offshore

```
Compound::fromSRID(Compound::EPSG_SRGI2013_PLUS_INAGEOID2020_V2_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::20043')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SRGI2013_PLUS_INAGEOID2020_V2_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::20043')
```

SVY21 + SHD height

Extent: Singapore - onshore and offshore

```
Compound::fromSRID(Compound::EPSG_SVY21_PLUS_SHD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6917')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SVY21_PLUS_SHD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6917')
```

SVY21 / Singapore TM + SHD height

Extent: Singapore - onshore and offshore

```
Compound::fromSRID(Compound::EPSG_SVY21_SINGAPORE_TM_PLUS_SHD_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6927')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SVY21_SINGAPORE_TM_PLUS_SHD_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6927')
```

SWEREF99 + RH2000 height

Extent: Sweden - onshore

```
Compound::fromSRID(Compound::EPSG_SWEREF99_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5628')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5628')
```

SWEREF99 12 00 + RH2000 height

Extent: Sweden - communes west of approximately 12°45'E and south of approximately 60°N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_12_00_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5846')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_12_00_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5846')
```

SWEREF99 13 30 + RH2000 height

Extent: Sweden - communes between approximately 12°45'E and 14°15'E and south of approximately 62°10'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_13_30_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5847')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_13_30_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5847')
```

SWEREF99 14 15 + RH2000 height

Extent: Sweden - communes west of approximately 15°E and between approximately 61°35'N and 64°25'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_14_15_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5851')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_14_15_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5851')
```

SWEREF99 15 00 + RH2000 height

Extent: Sweden - communes between approximately 14°15'E and 15°45'E and south of approximately 61°30'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_15_00_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5848')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_15_00_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5848')
```

SWEREF99 15 45 + RH2000 height

Extent: Sweden - communes between approximately 15°E and 16°30'E and between approximately 60°30'N and 65°N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_15_45_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5852')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_15_45_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5852')
```

SWEREF99 16 30 + RH2000 height

Extent: Sweden - communes between approximately 15°45'E and 17°15'E and south of approximately 62°20'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_16_30_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5849')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_16_30_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5849')
```

SWEREF99 17 15 + RH2000 height

Extent: Sweden - communes between approximately 14°20'E and 18°50'E and between approximately 67°10'N and 62°05'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_17_15_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5853')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_17_15_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5853')
```

SWEREF99 18 00 + RH2000 height

Extent: Sweden - communes east of approximately 17°15'E between approximately 60°40'N and 58°50'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_18_00_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5850')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_18_00_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5850')
```

SWEREF99 18 45 + RH2000 height

Extent: Sweden - mainland communes between approximately 18°E and 19°30'E and between approximately 62°50'N and 66°N. Also Gotland. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_18_45_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5854')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_18_45_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5854')
```

SWEREF99 20 15 + RH2000 height

Extent: Sweden - communes in Vaasterbotten east of approximately 19°30'E and (i) north of 63°30'N and (ii) south of approximately 65°05'N. Also Norbotten west of approximately 23°20'E. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_20_15_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5855')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_20_15_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5855')
```

SWEREF99 21 45 + RH2000 height

Extent: Sweden - communes in Norbotten east of approximately 19°30'E and south of approximately 65°50'N. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_21_45_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5856')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_21_45_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5856')
```

SWEREF99 23 15 + RH2000 height

Extent: Sweden - communes east of approximately 21°50'E. See information source for map

```
Compound::fromSRID(Compound::EPSG_SWEREF99_23_15_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5857')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_23_15_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5857')
```

SWEREF99 TM + RH2000 height

Extent: Sweden - onshore

```
Compound::fromSRID(Compound::EPSG_SWEREF99_TM_PLUS_RH2000_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::5845')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SWEREF99_TM_PLUS_RH2000_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::5845')
```

SYC20 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Crewe

```
Compound::fromSRID(Compound::EPSG_SYC20_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10241')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SYC20_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10241')
```

ShAb07 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Aberystwyth

```
Compound::fromSRID(Compound::EPSG_SHAB07_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10189')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SHAB07_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10189')
```

Slovenia 1996 + SVS2010 height

Extent: Slovenia - onshore

```
Compound::fromSRID(Compound::EPSG_SLOVENIA_1996_PLUS_SVS2010_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10245')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SLOVENIA_1996_PLUS_SVS2010_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10245')
```

Slovenia 1996 / Slovene National Grid + SVS2010 height

Extent: Slovenia - onshore

```
Compound::fromSRID(Compound::EPSG_SLOVENIA_1996_SLOVENE_NATIONAL_GRID_PLUS_SVS2010_
↪HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::10246')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_SLOVENIA_1996_SLOVENE_NATIONAL_GRID_
↪PLUS_SVS2010_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::10246')
```

St. Helena Tritan / UTM zone 30S + Tritan 2011 height

Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Compound::fromSRID(Compound::EPSG_ST_HELENA_TRITAN_UTM_ZONE_30S_PLUS_TRITAN_2011_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7955')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_ST_HELENA_TRITAN_UTM_ZONE_30S_PLUS_
↪TRITAN_2011_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7955')
```

TPEN11 Grid + ODN height

Extent: United Kingdom (UK) - on or related to the Trans-Pennine rail route from Liverpool via Manchester to Bradford and Leeds

```
Compound::fromSRID(Compound::EPSG_TPEN11_GRID_PLUS_ODN_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9368')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_TPEN11_GRID_PLUS_ODN_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9368')
```

Tokyo + JSLD69 height

Extent: Japan - onshore mainland - Honshu, Shikoku, Kyushu

```
Compound::fromSRID(Compound::EPSG_TOKYO_PLUS_JSLD69_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::7414')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_TOKYO_PLUS_JSLD69_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::7414')
```

Replaced by JGD2000 + JGD2000 (vertical) (CRS code 6696) from April 2002).

Tokyo + JSLD72 height

Extent: Japan - onshore mainland - Hokkaido

```
Compound::fromSRID(Compound::EPSG_TOKYO_PLUS_JSLD72_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6700')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_TOKYO_PLUS_JSLD72_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6700')
```

Replaced by JGD2000 + JGD2000 (vertical) (CRS code 6696) from April 2002).

WGS 84 + EGM2008 height

Extent: World

```
Compound::fromSRID(Compound::EPSG_WGS_84_PLUS_EGM2008_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9518')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_WGS_84_PLUS_EGM2008_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9518')
```

WGS 84 + EGM96 height

Extent: World

```
Compound::fromSRID(Compound::EPSG_WGS_84_PLUS_EGM96_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9707')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_WGS_84_PLUS_EGM96_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9707')
```

WGS 84 + MSL height

Extent: World

```
Compound::fromSRID(Compound::EPSG_WGS_84_PLUS_MSL_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::9705')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_WGS_84_PLUS_MSL_HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::9705')
```

Component vertical CRS is not specific to any location or epoch.

WGS 84 / World Mercator + EGM2008 height

Extent: World

```
Compound::fromSRID(Compound::EPSG_WGS_84_WORLD_MERCATOR_PLUS_EGM2008_HEIGHT)
Compound::fromSRID('urn:ogc:def:crs:EPSG::6893')
CoordinateReferenceSystem::fromSRID(Compound::EPSG_WGS_84_WORLD_MERCATOR_PLUS_EGM2008_
↪HEIGHT)
CoordinateReferenceSystem::fromSRID('urn:ogc:def:crs:EPSG::6893')
```

Note: for preliminary concept visualisation only. Detailed design will require use of appropriate low-distortion local projected and vertical CRSs.

1.7 Built in units of measure

Coordinates have many different types of unit e.g. latitudes are angles, but eastings are lengths.

There are also many different units in use across the world and across history, for instance most current mapping uses the metre for lengths, but older mapping often used feet or yards.

To avoid confusion about what any given number is intended to represent, all units in PHPCoord are typed as value objects.

Tip: All unit objects have helper methods `->getValue()` and `->getUnitName()`, and implement the `Stringable` interface

---

1.7.1 Units of angle

Tip: All angle units have helper methods `->asDegrees()`, `->asRadians()`, `->add()`, `->subtract()`, `->multiply()` and `->divide()`

Tip: You can access the list of supported angle units at runtime using `Angle::getSupportedSRIDs()` or `Angle::getSupportedSRIDsWithHelp()`

Degree

```
new Degree(float $angle)
Angle::makeUnit(float $angle, Angle::EPSG_DEGREE)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::9102')
```

$\frac{}{180}$ radians

Tip: Degrees have a very large number of written representations. Although the *output* of PHPCoord will always be in decimal degrees, *input* helpers exist for many alternate representations.

Degree hemisphere

```
Degree::fromDegreeHemisphere(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_DEGREE_HEMISPHERE)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9116')
```

Format: degrees (real, any precision) - hemisphere abbreviation (single character N S E or W).

Degree minute

```
Degree::fromDegreeMinute(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_DEGREE_MINUTE)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9115')
```

Format: signed degrees (integer) - arc-minutes (real, any precision). Different symbol sets are in use as field separators, for example º ‘.

Degree minute hemisphere

```
Degree::fromDegreeMinuteHemisphere(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_DEGREE_MINUTE_HEMISPHERE)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9118')
```

Format: degrees (integer) - arc-minutes (real, any precision) - hemisphere abbreviation (single character N S E or W). Different symbol sets are in use as field separators, for example º ‘.

Degree minute second

```
Degree::fromDegreeMinuteSecond(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_DEGREE_MINUTE_SECOND)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9107')
```

Format: signed degrees (integer) - arc-minutes (integer) - arc-seconds (real, any precision). Different symbol sets are in use as field separators, for example º ‘ “.

Degree minute second hemisphere

```
Degree::fromDegreeMinuteSecondHemisphere(string $angle)
Angle::makeunit(string $angle, Angle::EPSG_DEGREE_MINUTE_SECOND_HEMISPHERE)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9108')
```

Format: degrees (integer) - arc-minutes (integer) - arc-seconds (real) - hemisphere abbreviation (single character N S E or W). Different symbol sets are in use as field separators for example º ‘ “.

Hemisphere degree

```
Degree::fromHemisphereDegree(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_HEMISPHERE_DEGREE)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9117')
```

Format: hemisphere abbreviation (single character N S E or W) - degrees (real, any precision).

Hemisphere degree minute

```
Degree::fromHemisphereDegreeMinute(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_HEMISPHERE_DEGREE_MINUTE)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9119')
```

Format: hemisphere abbreviation (single character N S E or W) - degrees (integer) - arc-minutes (real, any precision). Different symbol sets are in use as field separators, for example º ‘.

Hemisphere degree minute second

```
Degree::fromHemisphereDegreeMinuteSecond(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_HEMISPHERE_DEGREE_MINUTE_SECOND)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9120')
```

Format: hemisphere abbreviation (single character N S E or W) - degrees (integer) - arc-minutes (integer) - arc-seconds (real). Different symbol sets are in use as field separators for example º ‘ “.

Sexagesimal DMS

```
Degree::fromSexagesimalDMS(string $angle)
Angle::makeUnit(string $angle, Angle::EPSG_SEXAGESIMAL_DMS)
Angle::makeUnit(string $angle, 'urn:ogc:def:uom:EPSG::9110')
```

Format: signed degrees - period - minutes (2 digits) - integer seconds (2 digits) - fraction of seconds (any precision). Must include leading zero in minutes and seconds and exclude decimal point for seconds.

Arc second

```
new ArcSecond(float $angle)
Angle::makeUnit(float $angle, Angle::EPSG_ARC_SECOND)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::9104')
```

$\frac{1}{3600}$ degrees.

Milliarc second

```
new ArcSecond(float $angle / 1000)
Angle::makeUnit(float $angle, Angle::EPSG_MILLIARC_SECOND)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::1031')
```

$\frac{1}{3600000}$ degrees.

Radian

```
new Radian(float $angle)
Angle::makeUnit(Angle::EPSG_RADIAN)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::9101')
```

SI derived unit (standard unit) for angles.

Microradian

```
new Radian(float $angle / 1000000)
Angle::makeunit(float $angle, Angle::EPSG_MICRORADIAN)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::9109')
```

$\frac{1}{1000000}$ radians.

Grad

```
new Grad(float $angle)
Angle::makeUnit(float $angle, Angle::EPSG_GRAD)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::9105')
```

$\frac{}{200}$ radians.

Centesimal second

```
new Radian(float $angle * M_PI / 2000000)
Angle::makeUnit(float $angle, Angle::EPSG_CENTESIMAL_SECOND)
Angle::makeUnit(float $angle, 'urn:ogc:def:uom:EPSG::9113')
```

$\frac{1}{100}$ of a centesimal minute or $\frac{1}{10000}$ th of a grad and gon = $\frac{/200}{10000}$ radians.

1.7.2 Units of length

Tip: All length units have helper methods `->asMetres()`, `->add()`, `->subtract()`, `->multiply()` and `->divide()`

Tip: You can access the list of supported length units at runtime using `Length::getSupportedSRIDs()` or `Length::getSupportedSRIDsWithHelp()`

Metre

```
new Metre(float $length)
Length::makeUnit(float $length, Length::EPSG_METRE)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9001')
```

SI base unit for length.

Centimetre

```
new Centimetre(float $length)
Length::makeUnit(float $length, Length::EPSG_CENTIMETRE)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::1033')
```

Kilometre

```
new Kilometre(float $length)
Length::makeUnit(float $length, Length::EPSG_KILOMETRE)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9036')
```

Millimetre

```
new Millimetre(float $length)
Length::makeUnit(float $length, Length::EPSG_MILLIMETRE)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::1025')
```

International (modern) foot

```
new Foot(float $length)
Length::makeUnit(float $length, Length::EPSG_FOOT)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9002')
```

$\frac{3048}{10000}$ metres.

International link

```
new Link(float $length)
Length::makeUnit(float $length, Length::EPSG_LINK)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9098')
```

$\frac{66}{100}$ international feet.

US survey foot

```
new USSurveyFoot(float $length)
Length::makeUnit(float $length, Length::EPSG_US_SURVEY_FOOT)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9003')
```

$\frac{12}{39.37}$ metres. Now deprecated by NIST who would prefer you use metres (or international feet if you can't)

British foot

British foot (Benoit 1895 B)

British chain (Benoit 1895 B)

```
Length::makeUnit(float $length, Length::EPSG_BRITISH_CHAIN_BENOIT_1895_B)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9062')
```

Used in West Malaysian mapping.

British foot (Sear's 1922)

```
new BritishFoot1922Sears(float $length)
Length::makeUnit(float $length, Length::EPSG_BRITISH_FOOT_SEARS_1922)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9041')
```

Used in East Malaysian and older New Zealand mapping.

British yard (Sear's 1922)

```
new BritishYard1922Sears(float $length)
Length::makeUnit(float $length, Length::EPSG_BRITISH_YARD_SEARS_1922)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9040')
```

3 British feet.

British chain (Sear's 1922)

```
new BritishChain1922Sears(float $length)
Length::makeUnit(float $length, Length::EPSG_BRITISH_CHAIN_SEARS_1922)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9042')
```

66 British feet.

British foot (Sear's 1922 truncated)

British chain (Sear's 1922 truncated)

```
new BritishChain1922SearsTruncated(float $length)
Length::makeUnit(float $length, Length::EPSG_BRITISH_CHAIN_SEARS_1922_TRUNCATED)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9301')
```

66 British Feet. Used in metrication of Malaya RSO grid.

British foot (1936)

```
new BritishFoot1936(float $length)
Length::makeUnit(float $length, Length::EPSG_BRITISH_FOOT_1936)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9095')
```

Also used for metric conversions in Ireland.

Clarke's foot

```
new ClarkeFoot(float $length)
Length::makeUnit(float $length, Length::EPSG_CLARKES_FOOT)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9005')
```

Used in older Australian, southern African & British West Indian mapping.

Clarke's link

```
new ClarkeLink(float $length)
Length::makeUnit(float $length, Length::EPSG_CLARKES_LINK)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9039')
```

$\frac{1}{100}$ Clarke's chain. Used in older Australian, southern African & British West Indian mapping.

Clarke's yard

```
new ClarkeYard(float $length)
Length::makeUnit(float $length, Length::EPSG_CLARKES_YARD)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9037')
```

3 Clarke's feet. Used in older Australian, southern African & British West Indian mapping.

Gold Coast foot

```
new GoldCoastFoot(float $length)
Length::makeUnit(float $length, Length::EPSG_GOLD_COAST_FOOT)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9094')
```

Used in Ghana and some adjacent parts of British west Africa prior to metrication, except for the metrication of projection defining parameters when British foot (Sear's 1922) used.

Indian foot

```
new IndianFoot(float $length)
Length::makeUnit(float $length, Length::EPSG_INDIAN_FOOT)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9080')
```

Indian Foot = 0.99999566 British feet.

Indian yard

```
new IndianYard(float $length)
Length::makeUnit(float $length, Length::EPSG_INDIAN_YARD)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9084')
```

3 Indian Feet.

German legal metre

```
new GermanLegalMetre(float $length)
Length::makeUnit(float $length, Length::EPSG_GERMAN_LEGAL_METRE)
Length::makeUnit(float $length, 'urn:ogc:def:uom:EPSG::9031')
```

Used in Namibia. Yes Namibia, no German mapping uses this.

1.7.3 Units of scale

Tip: All scale units have helper methods `->asUnity()`, `->add()`, `->subtract()`, `->multiply()` and `->divide()`

Tip: You can access the list of supported scale units at runtime using `Scale::getSupportedSRIDs()` or `Scale::getSupportedSRIDsWithHelp()`

Unity

```
new Unity(float $number)
Scale::makeUnit(float $number, Scale::EPSG_UNITY)
Scale::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::9201')
```

SI coherent derived unit (standard unit) for dimensionless quantity.

Coefficient

```
new Coefficient(float $number)
Scale::makeUnit(float $number, Scale::EPSG_COEFFICIENT)
Scale::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::9203')
```

Used when parameters are coefficients. They inherently take the units which depend upon the term to which the coefficient applies.

Parts per billion

```
new PartsPerBillion(float $number)
Scale::makeUnit(float $number, Scale::EPSG_PARTS_PER_BILLION)
Scale::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1028')
```

Billion is internationally ambiguous, in different languages being 1E+9 and 1E+12. One billion taken here to be 1E+9.

Parts per million

```
new PartsPerMillion(float $number)
Scale::makeUnit(float $number, Scale::EPSG_PARTS_PER_MILLION)
Scale::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::9202')
```

1.7.4 Units of time

Tip: All time units have helper methods `->asYears()`, `->add()`, `->subtract()`, `->multiply()` and `->divide()`

Tip: You can access the list of supported time units at runtime using `Time::getSupportedSRIDs()` or `Time::getSupportedSRIDsWithHelp()`

Year

```
new Year(float $year)
Time::makeUnit(float $year, Time::EPSG_YEAR)
Time::makeUnit(float $year, 'urn:ogc:def:uom:EPSG::1029')
```

1.7.5 Units of rate

Tip: You can access the list of supported rates at runtime using `Rate::getSupportedSRIDs()` or `Rate::getSupportedSRIDsWithHelp()`

Arc-seconds per year

```
new Rate(new ArcSecond(float $angle), new Year(1));
Rate::makeUnit(float $number, Rate::EPSG_ARC_SECONDS_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1043')
```

Centimetres per year

```
new Rate(new Centimetre(float $number), new Year(1));
Rate::makeUnit(float $number, Rate::EPSG_CENTIMETRES_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1034')
```

Metres per year

```
new Rate(new Metre(float $number), new Year(1));
Rate::makeUnit(float $number, Rate::EPSG_METRES_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1042')
```

Milliarc-seconds per year

```
new Rate(new ArcSecond(float $angle / 1000), new Year(1));
Rate::makeUnit(float $number, Rate::EPSG_MILLIARC_SECONDS_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1032')
```

Millimetres per year

```
new Rate(new Millimetre(float $number), new Year(1));
Rate::makeUnit(float $number, Rate::EPSG_MILLIMETRES_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1027')
```

Parts per billion per year

```
new Rate(new PartsPerBillion(float $number), new Year(1))
Rate::makeUnit(float $number, Rate::EPSG_PARTS_PER_BILLION_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1030')
```

Parts per million per year

```
new Rate(new PartsPerMillion(float $number), new Year(1))
Rate::makeUnit(float $number, Rate::EPSG_PARTS_PER_MILLION_PER_YEAR)
Rate::makeUnit(float $number, 'urn:ogc:def:uom:EPSG::1041')
```

1.8 Built in datums

Tip: Unless you are trying to work with a coordinate reference system that doesn't exist in the built-in set, you don't need to worry about these, the correct one will be instantiated for you.

Tip: You can access the list of supported datums at runtime using `Datum::getSupportedSRIDs()` or `Datum::getSupportedSRIDsWithHelp()`

1.8.1 AIOC 1995

Type: Vertical
Extent: Azerbaijan - Caspian offshore and onshore Sangachal terminal

```
Datum::fromSRID(Datum::EPSG_AIOC_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5133')
```

Average level of Caspian Sea at the Oil Rocks tide gauge June-September 1995.

AIOC 1995 datum is 1.7m above Caspian datum and 26.3m below Baltic datum.

1.8.2 AbInvA96_2020 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the A96 highway from Aberdeen to Inverness

```
Datum::fromSRID(Datum::EPSG_ABINVA96_2020_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1273')
```

Defined through the application of the AbInvA96_2000 NTv2 transformation (code 9386) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2020 to support intermediate CRS "AbInvA96_2020-IRF" in the emulation of the AbInvA96_2020 Snake map projection.

1.8.3 Abidjan 1987

Type: Geodetic
Extent: Côte d'Ivoire (Ivory Coast) - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ABIDJAN_1987)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6143')
```

Fundamental point: Abidjan I. Latitude: 5°18'51.01"N, longitude: 4°02'06.04"W (of Greenwich).

1.8.4 Accra

Type: Geodetic
Extent: Ghana - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ACCRA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6168')
```

Fundamental point: GCS Station 547. Latitude: 5°23'43.3"N, longitude: 0°11'52.3"W (of Greenwich).

Replaced in 1978 by Leigon datum (code 6250).

1.8.5 Aden 1925

Type: Geodetic
Extent: Yemen - South Yemen onshore mainland

```
Datum::fromSRID(Datum::EPSG_ADEN_1925)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1135')
```

1.8.6 Adindan

Type: Geodetic
Extent: Eritrea; Ethiopia; South Sudan; Sudan

```
Datum::fromSRID(Datum::EPSG_ADINDAN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6201')
```

Fundamental point: Station 15; Adindan. Latitude: 22°10'07.110"N, longitude: 31°29'21.608"E (of Greenwich).

The 12th parallel traverse of 1966-70 (Point 58 datum, code 6620) is connected to the Blue Nile 1958 network in western Sudan. This has given rise to misconceptions that the Blue Nile network is used in west Africa.

1.8.7 Afgooye

Type: Geodetic
Extent: Somalia - onshore

```
Datum::fromSRID(Datum::EPSG_AFGOOYE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6205')
```

1.8.8 Agadez

Type: Geodetic
Extent: Niger

```
Datum::fromSRID(Datum::EPSG_AGADEZ)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6206')
```

1.8.9 Ain el Abd 1970

Type: Geodetic
Extent: Bahrain, Kuwait and Saudi Arabia - onshore

```
Datum::fromSRID(Datum::EPSG_AIN_EL_ABD_1970)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6204')
```

Fundamental point: Ain El Abd. Latitude: 28°14'06.171"N, longitude: 48°16'20.906"E (of Greenwich).

1.8.10 Albanian 1987

Type: Geodetic
Extent: Albania - onshore

```
Datum::fromSRID(Datum::EPSG_ALBANIAN_1987)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6191')
```

1.8.11 Alboran

Type: Vertical
Extent: Spain - Alboran island - onshore

```
Datum::fromSRID(Datum::EPSG_ALBORAN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1363')
```

Mean Sea Level at Alboran harbour between 2017-01-01 and 2019-12-31.

Orthometric heights.

1.8.12 Alicante

Type: Vertical
Extent: Gibraltar - onshore; Spain - mainland onshore

```
Datum::fromSRID(Datum::EPSG_ALICANTE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5180')
```

Mean Sea Level at Alicante between 1870 and 1872.

Orthometric heights.

1.8.13 American Samoa 1962

Type: Geodetic
Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega and Ta'u islands

```
Datum::fromSRID(Datum::EPSG_AMERICAN_SAMOA_1962)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6169')
```

Fundamental point: Betty 13 eccentric. Latitude: 14°20'08.34"S, longitude: 170°42'52.25"W (of Greenwich).

1.8.14 American Samoa Vertical Datum of 2002

Type: Vertical
Extent: American Samoa - Tutuila island

```
Datum::fromSRID(Datum::EPSG_AMERICAN_SAMOA_VERTICAL_DATUM_OF_2002)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1125')
```

Mean sea level at Pago Pago harbor, Tutuila. Benchmark 1770000 S TIDAL = 1.364m relative to National Tidal Datum Epoch 1983-2001.

Replaces Tutuila vertical datum of 1962 (datum code 1121). Replaced by Pago Pago local tidal datum (datum code 1302) in March 2020 after ASVD02 benchmarks destroyed by earthquake activity.

1.8.15 Amersfoort

Type: Geodetic
Extent: Netherlands - onshore, including Waddenzee, Dutch Wadden Islands and 12-mile offshore coastal zone

```
Datum::fromSRID(Datum::EPSG_AMERSFOORT)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6289')
```

Originally defined through fundamental point Amersfoort, latitude 52°09'22.178"N, longitude 5°23'15.478"E (of Greenwich). Since 2000-10-01 has been redefined as derived from ETRS89 by application of the official transformation RDNAPTRANS(TM).

1.8.16 Ammassalik 1958

Type: Geodetic
Extent: Greenland - Ammassalik area onshore

```
Datum::fromSRID(Datum::EPSG_AMMASSALIK_1958)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6196')
```

1.8.17 Ancienne Triangulation Francaise (Paris)

Type: Geodetic
Extent: France - mainland onshore

```
Datum::fromSRID(Datum::EPSG_ANCIENNE_TRIANGULATION_FRANCAISE_PARIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6901')
```

Uses the RGS value for the Paris meridian. In Alsace, data suspected to be transformation of German network into ATF. Replaced by Nouvelle Triangulation Francaise (Paris) (code 6807) which uses the 1936 IGN value for the Paris meridian.

1.8.18 Anguilla 1957

Type: Geodetic
Extent: Anguilla - onshore

```
Datum::fromSRID(Datum::EPSG_ANGUILLA_1957)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6600')
```

Fundamental point: station A4, Police.

1.8.19 Antalya

Type: Vertical
Extent: Türkiye (Turkey) - onshore

```
Datum::fromSRID(Datum::EPSG_ANTALYA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5173')
```

Mean sea Level at Antalya 1936-71.

Orthometric heights.

1.8.20 Antigua 1943

Type: Geodetic
Extent: Antigua island - onshore

```
Datum::fromSRID(Datum::EPSG_ANTIGUA_1943)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6601')
```

Fundamental point: station A14.

1.8.21 Aratu

Type: Geodetic
Extent: Brazil - offshore south and east of a line intersecting the coast at 2°55'S; onshore Tucano basin

```
Datum::fromSRID(Datum::EPSG_ARATU)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6208')
```

1.8.22 Arc 1950

Type: Geodetic
Extent: Botswana; Malawi; Zambia; Zimbabwe

```
Datum::fromSRID(Datum::EPSG_ARC_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6209')
```

Fundamental point: Buffelsfontein. Latitude: 33°59'32.000"S, longitude: 25°30'44.622"E (of Greenwich).

1.8.23 Arc 1960

Type: Geodetic
Extent: Burundi, Kenya, Rwanda, Tanzania and Uganda

```
Datum::fromSRID(Datum::EPSG_ARC_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6210')
```

Fundamental point: Buffelsfontein. Latitude: 33°59'32.000"S, longitude: 25°30'44.622"E (of Greenwich).

1.8.24 Ascension Island 1958

Type: Geodetic
Extent: St Helena, Ascension and Tristan da Cunha - Ascension Island - onshore

```
Datum::fromSRID(Datum::EPSG_ASCENSION_ISLAND_1958)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6712')
```

1.8.25 Astro DOS 71

Type: Geodetic
Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Datum::fromSRID(Datum::EPSG_ASTRO_DOS_71)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6710')
```

Fundamental point: DOS 71/4, Ladder Hill Fort, latitude: 15°55'30"S, longitude: 5°43'25"W (of Greenwich).

1.8.26 Auckland 1946

Type: Vertical
Extent: New Zealand - North Island - Auckland vertical CRS area

```
Datum::fromSRID(Datum::EPSG_AUCKLAND_1946)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5157')
```

MSL at Auckland harbour 1909-1923.

1.8.27 Australian Antarctic Datum 1998

Type: Geodetic
Extent: Antarctica between 45°E and 136°E and between 142°E and 160°E - Australian sector

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_ANTARCTIC_DATUM_1998)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6176')
```

1.8.28 Australian Geodetic Datum 1966

Type: Geodetic
Extent: Australia - onshore and offshore. Papua New Guinea - onshore

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_GEODETIC_DATUM_1966)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6202')
```

Fundamental point: Johnson Memorial Cairn. Latitude: 25°56'54.5515"S, longitude: 133°12'30.0771"E (of Greenwich).

1.8.29 Australian Geodetic Datum 1984

Type: Geodetic
Extent: Australia - Queensland, South Australia, Western Australia, federal areas offshore west of 129°E

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_GEODETIC_DATUM_1984)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6203')
```

Fundamental point: Johnson Memorial Cairn. Latitude: 25°56'54.5515"S, longitude: 133°12'30.0771"E (of Greenwich).

Uses all data from 1966 adjustment with additional observations, improved software and a geoid model.

1.8.30 Australian Height Datum

Type: Vertical
Extent: Australia - Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Western Australia and Victoria - onshore. Christmas Island - onshore. Cocos and Keeling Islands - onshore

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_HEIGHT_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5111')
```

Mainland: MSL 1966-68 at 30 gauges around coast. Tasmania: MSL 1972 at Hobart and Burnie. Christmas Island: MSL (details unspecified). Cocos and Keeling Islands: MSL (details unspecified).

Normal-orthometric heights. Initially defined for mainland only, with independent height datums for Australian mainland, Tasmania, Christmas Island and Cocos and Keeling Islands. With introduction of AUSGeoid2020 in 2017, all considered to be AHD.

1.8.31 Australian Height Datum (Tasmania)

Type: Vertical
Extent: Australia - Tasmania mainland - onshore

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_HEIGHT_DATUM_TASMANIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5112')
```

MSL 1972 at Hobart and Burnie.

1.8.32 Australian Terrestrial Reference Frame 2014

Type: Dynamic geodetic
Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_TERRESTRIAL_REFERENCE_FRAME_2014)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1291')
```

ITRF2014 at epoch 2020.0.

Densification of ITRF2014 in the Australian region.

1.8.33 Australian Vertical Working Surface

Type: Vertical
Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Datum::fromSRID(Datum::EPSG_AUSTRALIAN_VERTICAL_WORKING_SURFACE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1292')
```

Realized by the Australian gravimetric quasi-geoid (AGQG).

Normal heights. Extends gravity-related heights to offshore. See AHD (datum code 5111) for cadastral survey or local engineering survey including construction or mining.

1.8.34 Autonomous Regions of Portugal 2008

Type: Geodetic
Extent: Portugal - Azores and Madeira island groups and surrounding EEZ - Flores, Corvo; Graciosa, Terceira, Sao Jorge, Pico, Faial; Sao Miguel, Santa Maria; Madeira, Porto Santo, Desertas; Selvagens

```
Datum::fromSRID(Datum::EPSG_AUTONOMOUS_REGIONS_OF_PORTUGAL_2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1041')
```

ITRF93 as derived from the 1994 TransAtlantic Network for Geodynamics and Oceanography (TANGO) project.

Replaces older classical datums for Azores and Madeira archipelagos.

1.8.35 Average Terrestrial System 1977

Type: Geodetic
Extent: Canada - New Brunswick; Nova Scotia; Prince Edward Island

```
Datum::fromSRID(Datum::EPSG_AVERAGE_TERRESTRIAL_SYSTEM_1977)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6122')
```

In use from 1979. To be phased out in late 1990's.

1.8.36 Ayabelle Lighthouse

Type: Geodetic
Extent: Djibouti - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_AYABELLE_LIGHTHOUSE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6713')
```

Fundamental point: Ayabelle Lighthouse.

1.8.37 Azores Central Islands 1948

Type: Geodetic
Extent: Portugal - central Azores onshore - Faial, Graciosa, Pico, Sao Jorge, Terceira

```
Datum::fromSRID(Datum::EPSG_AZORES_CENTRAL_ISLANDS_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6183')
```

Fundamental point: Graciosa south west base. Latitude: 39°03'54.934"N, longitude: 28°02'23.882"W (of Greenwich).

Replaced by 1995 adjustment (datum code 6665).

1.8.38 Azores Central Islands 1995

Type: Geodetic
Extent: Portugal - central Azores onshore - Faial, Graciosa, Pico, Sao Jorge, Terceira

```
Datum::fromSRID(Datum::EPSG_AZORES_CENTRAL_ISLANDS_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6665')
```

Fundamental point: Graciosa south west base. Origin and orientation constrained to those of the 1948 adjustment.

Classical and GPS observations. Replaces 1948 adjustment (datum code 6183).

1.8.39 Azores Occidental Islands 1939

Type: Geodetic
Extent: Portugal - western Azores onshore - Flores, Corvo

```
Datum::fromSRID(Datum::EPSG_AZORES_OCCIDENTAL_ISLANDS_1939)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6182')
```

Fundamental point: Observatario Meteorologico Flores.

1.8.40 Azores Oriental Islands 1940

Type: Geodetic
Extent: Portugal - eastern Azores onshore - Sao Miguel, Santa Maria, Formigas

```
Datum::fromSRID(Datum::EPSG_AZORES_ORIENTAL_ISLANDS_1940)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6184')
```

Fundamental point: Forte de São Bras.

Replaced by 1995 adjustment (datum code 6664).

1.8.41 Azores Oriental Islands 1995

Type: Geodetic
Extent: Portugal - eastern Azores onshore - Sao Miguel, Santa Maria, Formigas

```
Datum::fromSRID(Datum::EPSG_AZORES_ORIENTAL_ISLANDS_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6664')
```

Fundamental point: Forte de São Bras. Origin and orientation constrained to those of the 1940 adjustment.

Classical and GPS observations. Replaces 1940 adjustment (datum code 6184).

1.8.42 BH_ETRS89

Type: Geodetic
Extent: Bosnia and Herzegovina

```
Datum::fromSRID(Datum::EPSG_BH_ETRS89)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1358')
```

Densification of ETRF2000 in Bosnia and Herzegovina at epoch 2011.307.

ETRS89 in Bosnia and Herzegovina, realized through the coordinates of 17 stations of the GNSS active FBiHPOS network in conjunction with 17 stations of the Serbia SRPOS network.

1.8.43 Baltic 1957

Type: Vertical
Extent: Czechia; Slovakia

```
Datum::fromSRID(Datum::EPSG_BALTIC_1957)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1202')
```

Datum: average water level at Kronstadt 1833. Network adjusted in 1957 as Uniform Precise Leveling Network of Eastern Europe (EPNN).

Uses Normal heights.

1.8.44 Baltic 1977

Type: Vertical
Extent: Armenia; Azerbaijan; Belarus; Estonia - onshore; Georgia - onshore; Kazakhstan; Kyrgyzstan; Latvia - onshore; Lithuania - onshore; Moldova; Russian Federation - onshore; Tajikistan; Turkmenistan; Ukraine - onshore; Uzbekistan

```
Datum::fromSRID(Datum::EPSG_BALTIC_1977)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5105')
```

Datum: average water level at Kronstadt 1833. Network adjusted in 1974-78 as Uniform Precise Leveling Network of Eastern Europe (EPNN).

Uses Normal heights. Adjustment also included former Czechoslovakia but was not adopted there, the 1957 adjustment being retained instead.

1.8.45 Baltic 1980

Type: Vertical
Extent: Hungary

```
Datum::fromSRID(Datum::EPSG_BALTIC_1980)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5185')
```

Uses Normal heights.

1.8.46 Baltic 1982

Type: Vertical
Extent: Bulgaria - onshore

```
Datum::fromSRID(Datum::EPSG_BALTIC_1982)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5184')
```

Network adjusted in 1982. Height at reference point Varna defined as 1958 value from the UPLN adjustment. Datum at Kronstadt is mean sea level of Baltic in 1833.

Uses Normal heights.

1.8.47 Baltic 1986

Type: Vertical
Extent: Poland - onshore

```
Datum::fromSRID(Datum::EPSG_BALTIC_1986)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1296')
```

Mean sea level of Baltic at Kronstadt in 1833. Network adjusted in 1982.

Uses Normal heights. Adopted in 1986.

1.8.48 Bandar Abbas

Type: Vertical
Extent: Iran - onshore

```
Datum::fromSRID(Datum::EPSG_BANDAR_ABBAS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5150')
```

Average sea level at Bandar Abbas 1995-2001.

Replaces Fao (datum code 5149) in Iran.

1.8.49 Barbados 1938

Type: Geodetic
Extent: Barbados - onshore

```
Datum::fromSRID(Datum::EPSG_BARBADOS_1938)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6212')
```

Fundamental point: HMS Challenger astro station M1, St. Anne's Tower. Latitude 13°04'32.53"N, longitude 59°36'29.34"W (of Greenwich).

1.8.50 Batavia

Type: Geodetic
Extent: Indonesia - Bali, Java and western Sumatra onshore, offshore southern Java Sea, Madura Strait and western Bali Sea

```
Datum::fromSRID(Datum::EPSG_BATAVIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6211')
```

Fundamental point: Longitude at Batavia Astro. Station. Latitude: 6°07'39.522"S, longitude: 106°48'27.790"E (of Greenwich). Latitude and azimuth at Genuk.

1.8.51 Batavia (Jakarta)

Type: Geodetic
Extent: Indonesia - onshore - Bali, Java and western Sumatra

```
Datum::fromSRID(Datum::EPSG_BATAVIA_JAKARTA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6813')
```

Fundamental point: Longitude at Batavia astronomical station. Latitude: 6°07'39.522"S, longitude: 0°00'00.0"E (of Jakarta). Latitude and azimuth at Genuk.

1.8.52 Beduaram

Type: Geodetic
Extent: Niger - southeast

```
Datum::fromSRID(Datum::EPSG_BEDUARAM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6213')
```

1.8.53 Beijing 1954

Type: Geodetic
Extent: China - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_BEIJING_1954)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6214')
```

Pulkovo, transferred through Russian triangulation.

Scale determined through three baselines in northeast China. Discontinuities at boundaries of adjustment blocks. From 1982 replaced by Xian 1980 and New Beijing.

1.8.54 Bekaa Valley 1920

Type: Geodetic
Extent: Lebanon - onshore

```
Datum::fromSRID(Datum::EPSG_BEKAA_VALLEY_1920)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1137')
```

1.8.55 Belfast Lough

Type: Vertical
Extent: United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_BELFAST_LOUGH)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5131')
```

Mean sea level between 1951 and 1956 at Clarendon Dock, Belfast. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Orthometric heights. Malin Head (datum code 5130) used for 1:50,000 and smaller mapping.

1.8.56 Bellevue

Type: Geodetic
Extent: Vanuatu - southern islands - Aneityum, Efate, Erromango and Tanna

```
Datum::fromSRID(Datum::EPSG_BELLEVUE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6714')
```

Datum covers all the major islands of Vanuatu in two different adjustment blocks, but practical usage is as given in the area of use.

1.8.57 Bermuda 1957

Type: Geodetic
Extent: Bermuda - onshore

```
Datum::fromSRID(Datum::EPSG_BERMUDA_1957)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6216')
```

Fundamental point: Fort George base. Latitude 32°22'44.36"N, longitude 64°40'58.11"W (of Greenwich).

1.8.58 Bermuda 2000

Type: Geodetic
Extent: Bermuda - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_BERMUDA_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6762')
```

ITRF96 at epoch 2000.0.

1.8.59 Bern 1938

Type: Geodetic
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_BERN_1938)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6306')
```

Fundamental point: Old Bern observatory. Latitude: 46°57'07.890"N, longitude: 7°26'22.335"E (of Greenwich).

This redetermination of the coordinates of fundamental point is used for scientific purposes and as the graticule overprinted on topographic maps constructed on the CH1903 / LV03 projected CS (code 21781).

1.8.60 Bhutan National Geodetic Datum

Type: Geodetic
Extent: Bhutan

```
Datum::fromSRID(Datum::EPSG_BHUTAN_NATIONAL_GEODETIC_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1058')
```

ITRF2000 at epoch 2003.87

1.8.61 Bioko

Type: Geodetic
Extent: Equatorial Guinea - Bioko onshore

```
Datum::fromSRID(Datum::EPSG_BIOKO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1136')
```

1.8.62 Bissau

Type: Geodetic
Extent: Guinea-Bissau - onshore

```
Datum::fromSRID(Datum::EPSG_BISSAU)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6165')
```

1.8.63 Black Sea

Type: Vertical
Extent: Georgia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_BLACK_SEA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5134')
```

Black Sea datum is 0.4m below Baltic datum.

1.8.64 Bluff 1955

Type: Vertical
Extent: New Zealand - South Island - Bluff vertical CRS area

```
Datum::fromSRID(Datum::EPSG_BLUFF_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5158')
```

MSL at Invercargill harbour over 8 years between 1918 and 1934.

1.8.65 Bogota 1975

Type: Geodetic
Extent: Colombia - mainland and offshore Caribbean

```
Datum::fromSRID(Datum::EPSG_BOGOTA_1975)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6218')
```

Fundamental point: Bogota observatory. Latitude: 4°35'56.570"N, longitude: 74°04'51.300"W (of Greenwich).

Replaces 1951 adjustment. Replaced by MAGNA-SIRGAS (datum code 6685).

1.8.66 Bogota 1975 (Bogota)

Type: Geodetic
Extent: Colombia - mainland onshore

```
Datum::fromSRID(Datum::EPSG_BOGOTA_1975_BOGOTA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6802')
```

Fundamental point: Bogota observatory. Latitude: 4°35'56.570"N, longitude: 0°E (of Bogota).

1.8.67 Bora Bora SAU 2001

Type: Vertical
Extent: French Polynesia - Society Islands - Bora Bora

```
Datum::fromSRID(Datum::EPSG_BORA_BORA_SAU_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5202')
```

Fundamental benchmark: Vaitape quay SHOM benchmark B.

Included as part of NGPF - see datum code 5195.

1.8.68 Brenner Base Tunnel 2000

Type: Geodetic
Extent: Austria and Italy - on or related to the Brenner Base Tunnel rail route from Innsbruck to Fortezza (Franzensfeste)

```
Datum::fromSRID(Datum::EPSG_BRENNER_BASE_TUNNEL_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1367')
```

Realized through a network of stations aligned to ITRF94@1996.45.

Network of BBT stations, including existing nearby stations of the Austrian AREF-TIREF network, the Italian IGM95 network and the Trentino Alto Adige provincial cadastral control network.

1.8.69 British Isles height ensemble

Type: Ensemble
Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland) and Northern Ireland. Ireland onshore. Isle of Man onshore

```
Datum::fromSRID(Datum::EPSG_BRITISH_ISLES_HEIGHT_ENSEMBLE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1288')
```

Ensemble of 9 independent vertical datums now all defined through OS geoid model OSGM15.

Orthometric heights.

1.8.70 Bukit Rimpah

Type: Geodetic
Extent: Indonesia - Banga and Belitung Islands

```
Datum::fromSRID(Datum::EPSG_BUKIT_RIMPAH)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6219')
```

2°00'40.16"S, 105°51'39.76"E (of Greenwich).

1.8.71 Bulgaria Geodetic System 2005

Type: Geodetic
Extent: Bulgaria - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_BULGARIA_GEODETIC_SYSTEM_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1167')
```

Densification of ETRS89 realised through network of 112 permanent GNSS reference stations in ETRF2000@2005.0.

Adopted as official Bulgarian reference datum through decree 153 of 2010-07-29.

1.8.72 Bulgarian Height System 2005

Type: Vertical
Extent: Bulgaria - onshore

```
Datum::fromSRID(Datum::EPSG_BULGARIAN_HEIGHT_SYSTEM_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1300')
```

Bulgarian realisation of EVRF2007. EVRF2007 heights of 58 points in Bulgaria held fixed.

Uses Normal heights. Adopted as official Bulgarian height reference datum through decree 153 of 2010-07-29.

1.8.73 CH1903

Type: Geodetic
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_CH1903)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6149')
```

Fundamental point: Old Bern observatory. Latitude: 46°57'08.660"N, longitude: 7°26'22.500"E (of Greenwich).

1.8.74 CH1903 (Bern)

Type: Geodetic
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_CH1903_BERN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6801')
```

Fundamental point: Old Bern observatory. Latitude: 46°57'08.660"N, longitude: 0°E (of Bern).

1.8.75 CH1903+

Type: Geodetic
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_CH1903_PLUS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6150')
```

Fundamental point: Zimmerwald observatory.

1.8.76 CNH22 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Crewe via Chester to Holyhead

```
Datum::fromSRID(Datum::EPSG_CNH22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1336')
```

Defined through the application of the CNH22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS CNH22-IRF in the emulation of the CNH22 Snake map projection.

1.8.77 COV23 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - in and around the area of Coventry city centre and the route to Birmingham airport

```
Datum::fromSRID(Datum::EPSG_COV23_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1366')
```

Defined through the application of the COV23 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2023 to support intermediate CRS COV23-IRF in the emulation of the COV23 Snake map projection.

1.8.78 CR-SIRGAS

Type: Geodetic
Extent: Costa Rica - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CR_SIRGAS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1225')
```

ITRF2008 (IGb08) at epoch 2014.59. Network of 42 GNSS stations of the passive and active reference system.

Replaces CR05 from April 2018.

1.8.79 CWS13 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from from Chester via Wrexham to Shrewsbury

```
Datum::fromSRID(Datum::EPSG_CWS13_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1338')
```

Defined through the application of the CWS13 NTv2 transformation (code 10197) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS CWS13-IRF in the emulation of the CWS13 Snake map projection.

1.8.80 Cadastre 1997

Type: Geodetic
Extent: Mayotte - onshore

```
Datum::fromSRID(Datum::EPSG_CADASTRE_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1037')
```

Coordinates of 1 station of Combani 1950 adjustment held fixed.

Derived by adjustment of GPS-observed network which was constrained to Combani 1950 coordinates of one station.

1.8.81 Cagliari 1956

Type: Vertical
Extent: Italy - Sardinia onshore

```
Datum::fromSRID(Datum::EPSG_CAGLIARI_1956)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1307')
```

Mean Sea Level at Cagliari 1955-1957.

Orthometric heights.

1.8.82 Cais da Figueirinha

Type: Vertical
Extent: Portugal - central Azores - Terceira island onshore

```
Datum::fromSRID(Datum::EPSG_CAIS_DA_FIGUEIRINHA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1107')
```

Mean Sea Level during 1951 at Cais da Figueirinha, Angra do Heroísmo.

Orthometric heights.

1.8.83 Cais da Madalena

Type: Vertical
Extent: Portugal - central Azores - Pico island onshore

```
Datum::fromSRID(Datum::EPSG_CAIS_DA_MADALENA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1105')
```

Mean Sea Level during 1937 at Cais da Madalena.

Orthometric heights.

1.8.84 Cais da Pontinha

Type: Vertical
Extent: Portugal - Madeira and Desertas islands - onshore

```
Datum::fromSRID(Datum::EPSG_CAIS_DA_PONTINHA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1101')
```

Mean Sea Level during 1913 at Cais da Pontinha, Funchal.

Orthometric heights.

1.8.85 Cais da Vila

Type: Vertical
Extent: Portugal - Porto Santo island (Madeira archipelago) onshore

```
Datum::fromSRID(Datum::EPSG_CAIS_DA_VILA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1102')
```

Mean Sea Level during 1936 at Cais da Vila, Porto Santo.

Orthometric heights.

1.8.86 Cais da Vila do Porto

Type: Vertical
Extent: Portugal - eastern Azores onshore - Santa Maria, Formigas

```
Datum::fromSRID(Datum::EPSG_CAIS_DA_VILA_DO_PORTO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1109')
```

Mean Sea Level during 1965 at Cais da Vila, Porto.

Orthometric heights.

1.8.87 Cais das Velas

Type: Vertical
Extent: Portugal - central Azores - Sao Jorge island onshore

```
Datum::fromSRID(Datum::EPSG_CAIS_DAS_VELAS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1103')
```

Mean Sea Level during 1937 at Cais das Velas.

Orthometric heights.

1.8.88 Camacupa 1948

Type: Geodetic
Extent: Angola - Angola proper - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CAMACUPA_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6220')
```

Fundamental point: Campo de Aviaçao. Latitude: 12°01'09.070"S, Longitude = 17°27'19.800"E (of Greenwich).

Provisional adjustment, replaced in 2015 for onshore use by Camacupa 2015.

1.8.89 Camacupa 2015

Type: Geodetic
Extent: Angola - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CAMACUPA_2015)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1217')
```

Fundamental point: Campo de Aviaçao. Latitude: 12°01'08.702"S, Longitude = 17°27'19.515"E (of Greenwich).

Second adjustment. Not used for offshore oil and gas exploration and production.

1.8.90 Camp Area Astro

Type: Geodetic
Extent: Antarctica - McMurdo Sound, Camp McMurdo area

```
Datum::fromSRID(Datum::EPSG_CAMP_AREA_ASTRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6715')
```

1.8.91 Campo Inchauspe

Type: Geodetic
Extent: Argentina - mainland onshore and Atlantic offshore Tierra del Fuego

```
Datum::fromSRID(Datum::EPSG_CAMPO_INCHAUSPE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6221')
```

Fundamental point: Campo Inchauspe. Latitude: 35°58'16.56"S, longitude: 62°10'12.03"W (of Greenwich).

1.8.92 Canadian Geodetic Vertical Datum of 1928

Type: Vertical
Extent: Canada - onshore - Alberta; British Columbia; Manitoba south of 59°N; New Brunswick; Newfoundland, Labrador between 52°50'N and 54°30'N; Northwest Territories south west of a line between 60°40'N, 110°W and the coast at 132°W; Nova Scotia; Ontario south of 52°20'N; Prince Edward Island; Quebec - mainland south of 55°N and west of 64°W, north of 55°N between 70°W and 66°W, coastal area between 66°W and 64°W, and Anticosta island; Saskatchewan south of 58°30'N; Yukon

```
Datum::fromSRID(Datum::EPSG_CANADIAN_GEODETIC_VERTICAL_DATUM_OF_1928)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5114')
```

Based on the mean sea level determined from several tidal gauges located in strategic areas of the country.

From November 2013 replaced by CGVD2013 (datum code 1127).

1.8.93 Canadian Geodetic Vertical Datum of 2013 (CGG2013)

Type: Vertical
Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_CANADIAN_GEODETIC_VERTICAL_DATUM_OF_2013_CGG2013)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1127')
```

Defined by the equipotential surface W0 = 62,636,856.0 m^2s^-2, which by convention represents the coastal mean sea level for North America, realized through the Canadian gravimetric geoid (CGG) 2013 at epoch 2010.0.

Replaces CGVD28 from November 2013. Replaced by CGVD2013(CGG2013a) epoch 2010 from December 2015, supplemented from February 2021 by snapshots of CGVD2013(CGG2013a) at epochs 1997.0 and 2002.0 (aligned with NAD83(CSRS) realization epochs).

1.8.94 Canadian Geodetic Vertical Datum of 2013 (CGG2013a) epoch 1997

Type: Vertical
Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_CANADIAN_GEODETIC_VERTICAL_DATUM_OF_2013_CGG2013A_EPOCH_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1326')
```

Defined by the equipotential surface W0 = 62,636,856.0 m^2s^-2, which by convention represents the coastal mean sea level for North America, realized through the Canadian gravimetric geoid 2013a applied at epoch 1997.0.

CGVD2013(CGG2013a) is a static datum; however, heights referenced to it change with time, primarily due to glacial isostasy. This datum supports CGVD2013(CGG2013a) heights at epoch 1997.0. Other snapshots are at epochs 2002.0 and 2010.0.

1.8.95 Canadian Geodetic Vertical Datum of 2013 (CGG2013a) epoch 2002

Type: Vertical

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_CANADIAN_GEODETIC_VERTICAL_DATUM_OF_2013_CGG2013A_EPOCH_2002)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1325')
```

Defined by the equipotential surface W0 = 62,636,856.0 m^2s^-2, which by convention represents the coastal mean sea level for North America, realized through the Canadian gravimetric geoid 2013a applied at epoch 2002.

CGVD2013(CGG2013a) is a static datum; however, heights referenced to it change with time, primarily due to glacial isostasy. This datum supports CGVD2013(CGG2013a) heights at epoch 2002.0. Other snapshots are at epochs 1997.0 and 2010.0.

1.8.96 Canadian Geodetic Vertical Datum of 2013 (CGG2013a) epoch 2010

Type: Vertical

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_CANADIAN_GEODETIC_VERTICAL_DATUM_OF_2013_CGG2013A_EPOCH_2010)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1256')
```

Defined by the equipotential surface W0 = 62,636,856.0 m^2s^-2, which by convention represents the coastal mean sea level for North America, realized through CGG2013a at epoch 2010.0. Geoid velocity defined as zero with respect to NAD83(CSRS).

Replaces CGVD2013(CGG2013). CGVD2013(CGG2013a) is a static datum. However heights referenced to it change with time, primarily due to glacial isostasy. In practice static snapshots are used at epochs 2010.0 (this datum), 2002.0 and 1997.0.

1.8.97 Cape

Type: Geodetic

Extent: Botswana; Eswatini (Swaziland); Lesotho; South Africa - mainland

```
Datum::fromSRID(Datum::EPSG_CAPE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6222')
```

Fundamental point: Buffelsfontein. Latitude: 33°59’32.000”S, longitude: 25°30’44.622”E (of Greenwich).

1.8.98 Cape Canaveral

Type: Geodetic
Extent: North America - onshore - Bahamas and USA - Florida (east)

```
Datum::fromSRID(Datum::EPSG_CAPE_CANAVERAL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6717')
```

Fundamental point: Central 1950. Latitude: 28°29'32.36555"N, longitude 80°34'38.77362"W (of Greenwich)

1.8.99 Carthage

Type: Geodetic
Extent: Tunisia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CARTHAGE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6223')
```

Fundamental point: Carthage. Latitude: 40.9464506g = 36°51'06.50"N, longitude: 8.8724368g E of Paris = 10°19'20.72"E (of Greenwich).

Fundamental point astronomic coordinates determined in 1878.

1.8.100 Carthage (Paris)

Type: Geodetic
Extent: Tunisia - onshore

```
Datum::fromSRID(Datum::EPSG_CARTHAGE_PARIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6816')
```

Fundamental point: Carthage. Latitude: 40.9464506g N, longitude: 8.8724368g E (of Paris).

Fundamental point astronomic coordinates determined in 1878.

1.8.101 Cascais

Type: Vertical
Extent: Portugal - mainland - onshore

```
Datum::fromSRID(Datum::EPSG_CASCAIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5178')
```

Mean Sea Level at Cascais 1938.

Orthometric heights.

1.8.102 Caspian Sea

Type: Vertical
Extent: Azerbaijan - offshore; Kazakhstan - offshore; Russian Federation - Caspian Sea; Turkmenistan - offshore

```
Datum::fromSRID(Datum::EPSG_CASPIAN_SEA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5106')
```

Defined as -28.0m Baltic datum

1.8.103 Catania 1965

Type: Vertical
Extent: Italy - Sicily onshore

```
Datum::fromSRID(Datum::EPSG_CATANIA_1965)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1306')
```

Mean Sea Level at Catania in 1965.

Orthometric heights.

1.8.104 Cayman Brac Vertical Datum 1961

Type: Vertical
Extent: Cayman Islands - Cayman Brac

```
Datum::fromSRID(Datum::EPSG_CAYMAN_BRAC_VERTICAL_DATUM_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1099')
```

1.8.105 Cayman Islands Geodetic Datum 2011

Type: Geodetic
Extent: Cayman Islands - onshore and offshore. Includes Grand Cayman, Little Cayman and Cayman Brac

```
Datum::fromSRID(Datum::EPSG_CAYMAN_ISLANDS_GEODETIC_DATUM_2011)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1100')
```

ITRF2005 at epoch 2011.0

Replaces GCGD59 (datum code 6723) and SIGD61 (datum code 6726).

1.8.106 Centre Spatial Guyanais 1967

Type: Geodetic
Extent: French Guiana - coastal area

```
Datum::fromSRID(Datum::EPSG_CENTRE_SPATIAL_GUYANAIS_1967)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6623')
```

Fundamental point: Kourou-Diane. Latitude: 5°15'53.699"N, longitude: 52°48'09.149"W (of Greenwich).

Replaced by RGFG95 (code 6624).

1.8.107 Ceuta 2

Type: Vertical
Extent: Spain - Ceuta onshore

```
Datum::fromSRID(Datum::EPSG_CEUTA_2)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1285')
```

Mean Sea Level at Ceuta harbour between March 1944 and December 2006.

Orthometric heights. Replaces an earlier vertical datum in Ceuta harbour measured between 1908 and 1927.

1.8.108 Chart Datum Portugal

Type: Vertical
Extent: Portugal - offshore

```
Datum::fromSRID(Datum::EPSG_CHART_DATUM_PORTUGAL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1361')
```

ZH is located below the level of the Lowest Astronomical Tide (LAT).

.

1.8.109 Chart Datum UK & Ireland VORF08

Type: Vertical
Extent: Ireland and United Kingdom (UK) (including Isle of Man and Channel Islands) - inshore, nearshore and offshore

```
Datum::fromSRID(Datum::EPSG_CHART_DATUM_UK_AND_IRELAND_VORF08)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1331')
```

CD UK & Ireland VORF08 is defined by the Vertical Offshore Reference Frame v2.11 2008.

By international agreement, Chart Datum is defined as a level so low that the tide will not frequently fall below it. In the United Kingdom and Ireland, this level is normally the level of approximate Lowest Astronomical Tide.

1.8.110 Chatham Islands Datum 1971

Type: Geodetic
Extent: New Zealand - Chatham Islands group - onshore

```
Datum::fromSRID(Datum::EPSG_CHATHAM_ISLANDS_DATUM_1971)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6672')
```

Replaced by Chatham Islands Datum 1979 (code 6673).

1.8.111 Chatham Islands Datum 1979

Type: Geodetic
Extent: New Zealand - Chatham Islands group - onshore

```
Datum::fromSRID(Datum::EPSG_CHATHAM_ISLANDS_DATUM_1979)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6673')
```

Fundamental point: station Astro. Latitude: 43°57'23.60"S, longitude: 176°34'28.65"W (of Greenwich).

Replaces Chatham Islands Datum 1971 (code 6672). Replaced by New Zealand Geodetic Datum 2000 (code 6167) from March 2000.

1.8.112 China 2000

Type: Geodetic
Extent: China - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CHINA_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1043')
```

ITRF97 at epoch 2000.0

Combined adjustment of astro-geodetic observations as used for Xian 1980 and GPS control network observed 2000-2003. Adopted July 2008.

1.8.113 Chos Malal 1914

Type: Geodetic
Extent: Argentina - Mendoza province, Neuquen province, western La Pampa province and western Rio Negro province

```
Datum::fromSRID(Datum::EPSG_CHOS_MALAL_1914)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6160')
```

Chos Malal police station.

Also known as Quini-Huao. Replaced by Campo Inchauspe (code 6221) for topographic mapping, use for oil exploration and production continues.

1.8.114 Chua

Type: Geodetic
Extent: Brazil - south of 18°S and west of 54°W, plus Distrito Federal. Paraguay - north

```
Datum::fromSRID(Datum::EPSG_CHUA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6224')
```

Fundamental point: Chua. Latitude: 19°45'41.160"S, longitude: 48°06'07.560"W (of Greenwich).

The Chua origin and associated network is in Brazil with a connecting traverse through northern Paraguay. It was used in Brazil only as input into the Corrego Allegre adjustment and for government work in Distrito Federal.

1.8.115 Cocos Islands 1965

Type: Geodetic
Extent: Cocos (Keeling) Islands - onshore

```
Datum::fromSRID(Datum::EPSG_COCOS_ISLANDS_1965)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6708')
```

Fundamental point: Anna 1.

1.8.116 Combani 1950

Type: Geodetic
Extent: Mayotte - onshore

```
Datum::fromSRID(Datum::EPSG_COMBANI_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6632')
```

Combani South Base.

Replaced by RGM04 and Cadastre 1997 (datum codes 1036-37).

1.8.117 Conakry 1905

Type: Geodetic
Extent: Guinea - onshore

```
Datum::fromSRID(Datum::EPSG_CONAKRY_1905)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6315')
```

Fundamental point: Conakry. Latitude: 10.573766g N, longitude: 17.833682g W (of Paris).

1.8.118 Congo 1960 Pointe Noire

Type: Geodetic
Extent: Congo - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CONGO_1960_POINTE_NOIRE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6282')
```

Fundamental point: Point Noire Astro. Latitude: 4°47'00.10"S, longitude: 11°51'01.55"E (of Greenwich).

1.8.119 Constanta

Type: Vertical
Extent: Romania - onshore

```
Datum::fromSRID(Datum::EPSG_CONSTANTA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5179')
```

Mean Sea Level at Constanta.

Normal-orthometric heights.

1.8.120 Copenhagen Commune Intermediate Datum

Type: Geodetic
Extent: Denmark - onshore - Copenhagen and surrounding area

```
Datum::fromSRID(Datum::EPSG_COPENHAGEN_COMMUNE_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1349')
```

Arbitrary origin, apparently based on monument coordinates given in the Generalstabens System.

Created in 2022 to support intermediate CRS KK-IRF in the transformation of coordinates between the historic Copenhagen Commune CRS and ETRS89. The data are reconstructions based on information synthesized in historical empirical transformations to ED50.

1.8.121 Corrego Alegre 1961

Type: Geodetic
Extent: Brazil - onshore - between 18°S and 27°30'S, also east of 54°W between 15°S and 18°S

```
Datum::fromSRID(Datum::EPSG_CORREGO_ALEGRE_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1074')
```

Fundamental point: Corrego Alegre. Latitude: 19°50'14.91"S, longitude: 48°57'41.98"W (of Greenwich).

Replaced by Corrego Alegre 1970-72 (datum code 6225). NIMA gives coordinates of origin as latitude: 19°50'15.14"S, longitude: 48°57'42.75"W.

1.8.122 Corrego Alegre 1970-72

Type: Geodetic
Extent: Brazil - onshore - west of 54°W and south of 18°S; also south of 15°S between 54°W and 42°W; also east of 42°W

```
Datum::fromSRID(Datum::EPSG_CORREGO_ALEGRE_1970_72)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6225')
```

Fundamental point: Corrego Alegre. Latitude: 19°50'14.91"S, longitude: 48°57'41.98"W (of Greenwich).

Replaces 1961 adjustment (datum code 1074). Superseded by SAD69. NIMA gives coordinates of origin as latitude: 19°50'15.14"S, longitude: 48°57'42.75"W; these may refer to 1961 adjustment.

1.8.123 Costa Rica 2005

Type: Geodetic
Extent: Costa Rica - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_COSTA_RICA_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1065')
```

ITRF2000 at epoch 2005.83. Network of 34 GPS stations throughout the country, five of which were connected to four Caribbean area ITRF stations.

Replaces Ocotepeque (datum code 1070) in Costa Rica from March 2007.

1.8.124 Croatian Terrestrial Reference System

Type: Geodetic
Extent: Croatia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_CROATIAN_TERRESTRIAL_REFERENCE_SYSTEM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6761')
```

Densification of ETRS89 in Croatia at epoch 1995.55.

Based on 78 control points with coordinates determined in ETRS89.

1.8.125 Croatian Vertical Reference Datum 1971

Type: Vertical
Extent: Croatia - onshore

```
Datum::fromSRID(Datum::EPSG_CROATIAN_VERTICAL_REFERENCE_DATUM_1971)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5207')
```

Mean sea level at five tide gauges in Dubrovnik, Split, Bakar, Rovinj and Kopar at epoch 1971.5

Replaces Trieste (datum code 1050).

1.8.126 Cyprus Geodetic Reference System 1993

Type: Geodetic
Extent: Cyprus - onshore

```
Datum::fromSRID(Datum::EPSG_CYPRUS_GEODETIC_REFERENCE_SYSTEM_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1112')
```

Station Chionistra (Mount Troodos). Network scale and orientation determined by connection of six stations to ITRF91 in Europe at epoch 1993.1.

Survey plans and maps produced by DLS after 1993.

1.8.127 DIBA15 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Didcot to Banbury

```
Datum::fromSRID(Datum::EPSG_DIBA15_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1339')
```

Defined through the application of the DIBA15 NTv2 transformation (code 10205) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS DIBA15-IRF in the emulation of the DIBA15 Snake map projection.

1.8.128 Dabola 1981

Type: Geodetic
Extent: Guinea - onshore

```
Datum::fromSRID(Datum::EPSG_DABOLA_1981)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6155')
```

1.8.129 Danger 1950

Type: Vertical
Extent: St Pierre and Miquelon - onshore

```
Datum::fromSRID(Datum::EPSG_DANGER_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5190')
```

Marker near tide gauge at port of Saint Pierre. Height is 1.26 metres above zero of tide gauge.

1.8.130 Dansk Normal Nul

Type: Vertical
Extent: Denmark - onshore

```
Datum::fromSRID(Datum::EPSG_DANSK_NORMAL_NUL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5132')
```

Mean Sea Level at 10 gauges.

Orthometric heights.

1.8.131 Dansk Vertikal Reference 1990 (2000)

Type: Vertical
Extent: Denmark - onshore

```
Datum::fromSRID(Datum::EPSG_DANSK_VERTIKAL_REFERENCE_1990_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5206')
```

Benchmark at Århus cathedral referenced to mean sea level determined during 1990 at 10 tide gauges: Esbjerg, Fredericia, Frederikshavn, Gedser, Hirtshals, Hornbæk, Korsør, København, Slipshavn and Århus.

Helmert orthometric heights. First realization of DVR90, based on levelling.

1.8.132 Dansk Vertikal Reference 1990 (2002)

Type: Vertical
Extent: Denmark - onshore

```
Datum::fromSRID(Datum::EPSG_DANSK_VERTIKAL_REFERENCE_1990_2002)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1368')
```

Benchmark at Århus cathedral referenced to mean sea level determined during 1990 at 10 tide gauges: Esbjerg, Fredericia, Frederikshavn, Gedser, Hirtshals, Hornbæk, Korsør, København, Slipshavn and Århus.

First geoid-based realization of DVR90. Replaced by DVR90(2013).

1.8.133 Dansk Vertikal Reference 1990 (2013)

Type: Vertical
Extent: Denmark - onshore

```
Datum::fromSRID(Datum::EPSG_DANSK_VERTIKAL_REFERENCE_1990_2013)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1369')
```

Benchmark at Århus cathedral referenced to mean sea level determined during 1990 at 10 tide gauges: Esbjerg, Fredericia, Frederikshavn, Gedser, Hirtshals, Hornbæk, Korsør, København, Slipshavn and Århus.

Second geoid-based realization of DVR90. Replaces DVR90(2002). Replaced by DVR90(2023).

1.8.134 Dansk Vertikal Reference 1990 (2023)

Type: Vertical
Extent: Denmark - onshore

```
Datum::fromSRID(Datum::EPSG_DANSK_VERTIKAL_REFERENCE_1990_2023)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1370')
```

Benchmark at Århus cathedral referenced to mean sea level determined during 1990 at 10 tide gauges: Esbjerg, Fredericia, Frederikshavn, Gedser, Hirtshals, Hornbæk, Korsør, København, Slipshavn and Århus.

Second geoid-based realization of DVR90. Replaces DVR90(2013).

1.8.135 Dansk Vertikal Reference 1990 ensemble

Type: Ensemble
Extent: Denmark - onshore

```
Datum::fromSRID(Datum::EPSG_DANSK_VERTIKAL_REFERENCE_1990_ENSEMBLE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1371')
```

1.8.136 Datum 73

Type: Geodetic
Extent: Portugal - mainland - onshore

```
Datum::fromSRID(Datum::EPSG_DATUM_73)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6274')
```

Fundamental point: TF4, Melrica. Latitude: 39°41'37.30"N, longitude: 8°07'53.31"W (of Greenwich).

1.8.137 Datum Altimetrico de Costa Rica 1952

Type: Vertical
Extent: Costa Rica - onshore

```
Datum::fromSRID(Datum::EPSG_DATUM_ALTIMETRICO_DE_COSTA_RICA_1952)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1226')
```

Mean Sea Level 1941-1952 at Puntarenas.

Orthometric heights.

1.8.138 Datum Geodesi Nasional 1995

Type: Geodetic
Extent: Indonesia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_DATUM_GEODESI_NASIONAL_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6755')
```

ITRF91at epoch 1992.0.

Replaces ID74 and all older datums.

1.8.139 Dealul Piscului 1930

Type: Geodetic
Extent: Romania - onshore

```
Datum::fromSRID(Datum::EPSG_DEALUL_PISCULUI_1930)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6316')
```

Fundamental point: latitude 44°24'33.9606"N, longitude 26°06'44.8772"E (of Greenwich).

Replaced by Pulkovo 1942(58) (datum code 6179)

1.8.140 Deception Island

Type: Geodetic
Extent: Antarctica - South Shetland Islands - Deception Island

```
Datum::fromSRID(Datum::EPSG_DECEPTION_ISLAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6736')
```

1.8.141 Deir ez Zor

Type: Geodetic
Extent: Lebanon - onshore. Syrian Arab Republic - onshore

```
Datum::fromSRID(Datum::EPSG_DEIR_EZ_ZOR)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6227')
```

Fundamental point: Trig. 254 Deir. Latitude: 35°21'49.975"N, longitude: 40°05'46.770"E (of Greenwich).

1.8.142 Denmark Lowest Astronomic Tide (2023)

Type: Vertical
Extent: Denmark - offshore

```
Datum::fromSRID(Datum::EPSG_DENMARK_LOWEST_ASTRONOMIC_TIDE_2023)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1375')
```

Mean sea level as determined by updated satellite altimetry adjusted to LAT using coastal tide gauges and improved global tide models. Defined with respect to ETRS89 through the dklat_2023 hydroid model.

Replaces DKLAT(2022).

1.8.143 Denmark Lowest Astronomical Tide

Type: Ensemble
Extent: Denmark - offshore

```
Datum::fromSRID(Datum::EPSG_DENMARK_LOWEST_ASTRONOMICAL_TIDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1377')
```

LAT as defined through any DKLAT hydroid model without distinction.

1.8.144 Denmark Lowest Astronomical Tide (2022)

Type: Vertical
Extent: Denmark - offshore

```
Datum::fromSRID(Datum::EPSG_DENMARK_LOWEST_ASTRONOMICAL_TIDE_2022)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1373')
```

Mean sea level as determined by satellite altimetry adjusted to LAT using coastal tide gauges and global tide models. Defined with respect to ETRS89 through the dklat_2022 hydroid model.

Replaced by DKLAT(2023).

1.8.145 Denmark Mean Sea Level

Type: Ensemble
Extent: Denmark - offshore

```
Datum::fromSRID(Datum::EPSG_DENMARK_MEAN_SEA_LEVEL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1376')
```

MSL as defined through any DKMSL hydroid model without distinction.

1.8.146 Denmark Mean Sea Level (2022)

Type: Vertical
Extent: Denmark - offshore

```
Datum::fromSRID(Datum::EPSG_DENMARK_MEAN_SEA_LEVEL_2022)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1372')
```

Mean sea level as determined by satellite altimetry and coastal tide gauges. Defined with respect to ETRS89 through the dkmsl_2022 hydroid model.

Replaced by DKMSL(2023).

1.8.147 Denmark Mean Sea Level (2023)

Type: Vertical
Extent: Denmark - offshore

```
Datum::fromSRID(Datum::EPSG_DENMARK_MEAN_SEA_LEVEL_2023)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1374')
```

Mean sea level as determined by updated satellite altimetry and coastal tide gauges. Defined with respect to ETRS89 through the dkmsl_2023 hydroid model.

Replaces DKMSL(2022).

1.8.148 Deutsche Bahn Reference System

Type: Geodetic
Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Datum::fromSRID(Datum::EPSG_DEUTSCHE_BAHN_REFERENCE_SYSTEM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1081')
```

Defined by transformation from ETRS89 (transformation code 5826) to be an average of DHDN realizations across all German states.

1.8.149 Deutsches Hauptdreiecksnetz

Type: Geodetic
Extent: Germany - states of former West Germany onshore - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Schleswig-Holstein

```
Datum::fromSRID(Datum::EPSG_DEUTSCHES_HAUPTDREIECKSNETZ)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6314')
```

Fundamental point: Rauenberg. Latitude: 52°27’12.021”N, longitude: 13°22’04.928”E (of Greenwich). This station was destroyed in 1910 and the station at Potsdam substituted as the fundamental point.

1.8.150 Deutsches Haupthoehennetz 1912

Type: Vertical

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Datum::fromSRID(Datum::EPSG_DEUTSCHES_HAUPTHOEHENNETZ_1912)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1161')
```

Height of reference point "Normalnullpunkt" at Berlin Observatory defined as 37.000m above MSL in 1879 (transferred to benchmarks near Hoppegarten in Müncheberg in 1912). Datum at Normaal Amsterdams Peil (NAP) is mean high tide in 1684.

Uses Normal-orthometric heights.

1.8.151 Deutsches Haupthoehennetz 1985

Type: Vertical

Extent: Germany - states of former West Germany onshore - Baden-Wurtemberg, Bayern, Bremen, Hamburg, Hessen, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Schleswig-Holstein

```
Datum::fromSRID(Datum::EPSG_DEUTSCHES_HAUPTHOEHENNETZ_1985)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5182')
```

Network adjusted in 1985. Height of reference point Wallenhorst defined as value from 1928 adjustment. Datum at Normaal Amsterdams Peil (NAP) is mean high tide in 1684.

Replaced by DHHN92. Uses Normal-orthometric heights.

1.8.152 Deutsches Haupthoehennetz 1992

Type: Vertical

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Datum::fromSRID(Datum::EPSG_DEUTSCHES_HAUPTHOEHENNETZ_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5181')
```

Network adjusted in 1992. Geopotential number at reference point Wallenhorst defined as value from the UELN-73/86 adjustment. Datum at Normaal Amsterdams Peil (NAP) is mean high tide in 1684.

Replaces DHHN85 in West Germany and SNN76 in East Germany. Uses Normal heights.

1.8.153 Deutsches Haupthoehennetz 2016

Type: Vertical
Extent: Germany - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_DEUTSCHES_HAUPTHOEHENNETZ_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1170')
```

2006-2012 levelling network adjusted to 72 points of the DHHN92. Datum at Normaal Amsterdams Peil (NAP) is mean high tide in 1684. Extension offshore defined by the GCG2016 quasi-geoid model (CT code 9925).

Uses Normal heights in the mean tidal system.

1.8.154 Diego Garcia 1969

Type: Geodetic
Extent: British Indian Ocean Territory - Chagos Archipelago - Diego Garcia

```
Datum::fromSRID(Datum::EPSG_DIEGO_GARCIA_1969)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6724')
```

Fundamental point: ISTS 073.

1.8.155 DoPw22 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Dovey Junction to Pwllheli

```
Datum::fromSRID(Datum::EPSG_DOPW22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1334')
```

Defined through the application of the DoPw22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS DoPw22-IRF in the emulation of the DoPw22 Snake map projection.

1.8.156 Dominica 1945

Type: Geodetic
Extent: Dominica - onshore

```
Datum::fromSRID(Datum::EPSG_DOMINICA_1945)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6602')
```

Fundamental point: station M12.

1.8.157 Douala 1948

Type: Geodetic
Extent: Cameroon - coastal area

```
Datum::fromSRID(Datum::EPSG_DOUALA_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6192')
```

South pillar of Douala base; 4°00'40.64"N, 9°42'30.41"E (of Greenwich).

Replaced by Manoca 1962 datum (code 6193).

1.8.158 Douglas

Type: Vertical
Extent: Isle of Man - onshore

```
Datum::fromSRID(Datum::EPSG_DOUGLAS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5148')
```

Mean Sea Level at Douglas 1865. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Orthometric heights.

1.8.159 Dunedin 1958

Type: Vertical
Extent: New Zealand - South Island - between approximately 44°S and 46°S - Dunedin vertical CRS area

```
Datum::fromSRID(Datum::EPSG_DUNEDIN_1958)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5159')
```

MSL at Dunedin harbour 1918-1937.

1.8.160 Dunedin-Bluff 1960

Type: Vertical
Extent: New Zealand - South Island - Dunedin-Bluff vertical CRS area

```
Datum::fromSRID(Datum::EPSG_DUNEDIN_BLUFF_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1040')
```

Common adjustment of Dunedin 1958 and Bluff 1955 networks.

1.8.161 Durres

Type: Vertical
Extent: Albania - onshore

```
Datum::fromSRID(Datum::EPSG_DURRES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5175')
```

Mean Sea Level at Durres.

Normal-orthometric heights.

1.8.162 EBBWV14 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Newport (Park Junction) to Ebbw Vale

```
Datum::fromSRID(Datum::EPSG_EBBWV14_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1319')
```

Defined through the application of the EBBWV14 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS "EBBWV14-IRF" in the emulation of the EBBWV14 Snake map projection.

1.8.163 ECML14_NB Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to rail routes from Newcastle Central to Ashington via Benton North Junction, and the section from Bedlington to Morpeth

```
Datum::fromSRID(Datum::EPSG_ECML14_NB_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1310')
```

Defined through the application of the ECML14_NB NTv2 transformation (code 9759) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2021 to support intermediate CRS "ECML14_NB-IRF" in the emulation of the ECML14_NB Snake map projection.

1.8.164 EGM2008 geoid

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_EGM2008_GEOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1027')
```

Derived through EGM2008 geoid undulation model consisting of spherical harmonic coefficients to degree 2190 and order 2159 applied to the WGS 84 ellipsoid.

Replaces EGM96 geoid (datum code 5171). See transformation codes 3858 and 3859 for 2.5x2.5 and 1x1 arc minute geoid undulation grid files derived from the spherical harmonic coefficients.

1.8.165 EGM84 geoid

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_EGM84_GEOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5203')
```

Derived through EGM84 geoid undulation model consisting of spherical harmonic coefficients to degree and order 180 applied to the WGS 84 ellipsoid.

Replaced by EGM96 geoid (datum code 5171).

1.8.166 EGM96 geoid

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_EGM96_GEOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5171')
```

Derived through EGM84 geoid undulation model consisting of spherical harmonic coefficients to degree and order 360 applied to the WGS 84 ellipsoid.

Replaces EGM84 geoid (datum code 5203). Replaced by EGM2008 geoid (datum code 1027).

1.8.167 EOS21 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the complex of rail routes in the East of Scotland, incorporating the route from Tweedbank through the Borders to Edinburgh; the line from Edinburgh to Aberdeen; routes via Kirkaldy and Cowdenbeath; and routes via Leuchars and Perth to Dundee.

```
Datum::fromSRID(Datum::EPSG_EOS21_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1308')
```

Defined through the application of the EOS21 NTv2 transformation (code 9740) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2021 to support intermediate CRS "EOS21-IRF" in the emulation of the EOS21 Snake map projection.

1.8.168 ETRF2000 Poland

Type: Geodetic
Extent: Poland - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ETRF2000_POLAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1305')
```

Polish densification of ETRS89 realized through adjustment of ASG-EUPOS network constrained to 35 EPN stations in ETRF2000@2011.0.

Adopted as official Polish reference frame from 2012-12-01 through Ordinance of the Council of Ministers of 15th November 2012 on the state system of spatial reference system.

1.8.169 ETRS89/DREF91 Realization 2016

Type: Geodetic
Extent: Germany - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ETRS89_DREF91_REALIZATION_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1353')
```

Realized by GNSS campaign 2008. Results were transformed from IGS05 epoch 2008.46 to ITRF2005 to ETRF2000, subsequently to ETRS89/DREF91 Realization 2002 (former German ETRS89 realization) by 3 rotation parameters.

German national realization of ETRS89. Replaces ETRS89/DREF91 Realization 2002 from 2016-12-01.

1.8.170 EWR2 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to East West Rail (Phase 2) routes from Oxford to Bicester, Bletchley and Bedford, and from Claydon Junction to Aylesbury and Princes Risborough

```
Datum::fromSRID(Datum::EPSG_EWR2_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1311')
```

Defined through the application of the EWR2 NTv2 transformation (code 9763) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2021 to support intermediate CRS "EWR2-IRF" in the emulation of the EWR2 Snake map projection.

1.8.171 Easter Island 1967

Type: Geodetic
Extent: Chile - Easter Island onshore

```
Datum::fromSRID(Datum::EPSG_EASTER_ISLAND_1967)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6719')
```

1.8.172 Egypt 1907

Type: Geodetic
Extent: Egypt - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_EGYPT_1907)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6229')
```

Fundamental point: Station F1 (Venus). Latitude: 30°01'42.86"N, longitude: 31°16'33.60"E (of Greenwich).

1.8.173 Egypt 1930

Type: Geodetic
Extent: Egypt - onshore

```
Datum::fromSRID(Datum::EPSG_EGYPT_1930)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6199')
```

Fundamental point: Station F1 (Venus). Latitude: 30°01'42.86"N, longitude: 31°16'37.05"E (of Greenwich).

Note that Egypt 1930 uses the International 1924 ellipsoid, unlike the Egypt 1907 datum (code 6229) which uses the Helmert ellipsoid. Oil industry references to the Egypt 1930 datum name and the Helmert ellipsoid probably mean Egypt 1907 datum.

1.8.174 Egypt Gulf of Suez S-650 TL

Type: Geodetic
Extent: Egypt - Gulf of Suez

```
Datum::fromSRID(Datum::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6706')
```

Fundamental point: Station S-650 DMX. Adopted coordinates: latitude: 28°19'02.1907"N, longitude: 33°06'36.6344"E (of Greenwich). The proper Egypt 1907 coordinates for S-650 differ from these by about 20m.

A coherent set of stations bordering the Gulf of Suez coordinated by Transit translocation ("TL") between 1980 and 1984. Based on incorrect Egypt 1907 values for origin station S-650. Differs from true Egypt 1907 by approximately 20m.

1.8.175 El Hierro

Type: Vertical
Extent: Spain - Canary Islands - El Hierro onshore

```
Datum::fromSRID(Datum::EPSG_EL_HIERRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1284')
```

Mean Sea Level at La Estaca harbour in 2000.

Orthometric heights.

1.8.176 Estonia 1992

Type: Geodetic
Extent: Estonia - onshore

```
Datum::fromSRID(Datum::EPSG_ESTONIA_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6133')
```

Densification from 4 ETRS89 points.

Based on ETRS89 as established during the 1992 Baltic campaign. Replaced by Estonia 1997 adjustment (code 6180).

1.8.177 Estonia 1997

Type: Geodetic
Extent: Estonia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ESTONIA_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6180')
```

Densification of ETRS89 during EUREF-ESTONIA97 campaign through transformation from ITRF96 at epoch 1997.56.

Replaces Estonia 1992 adjustment (code 6133).

1.8.178 Estonian Height System 2000

Type: Vertical
Extent: Estonia - onshore

```
Datum::fromSRID(Datum::EPSG_ESTONIAN_HEIGHT_SYSTEM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1298')
```

Estonian realisation of EVRF2007. Relevelling observed 2004-2013 and reduced to epoch 2000 using the NKG2005LU empirical land uplift model. EVRF2007 height of Poltsamaa fundamental bench mark (H=55.2114m) held fixed.

Uses Normal heights.

1.8.179 European Datum 1950

Type: Geodetic
Extent: Europe - west: Andorra; Cyprus; Denmark - onshore and offshore; Faroe Islands - onshore; France - offshore; Germany - offshore North Sea; Gibraltar; Greece - offshore; Israel - offshore; Italy including San Marino and Vatican City State; Ireland offshore; Malta; Netherlands - offshore; North Sea; Norway including Svalbard - onshore and offshore; Portugal - mainland - offshore; Spain - onshore; Türkiye (Turkey) - onshore and offshore; United Kingdom - UKCS offshore east of 6°W including Channel Islands (Guernsey and Jersey). Egypt - Western Desert; Iraq - onshore; Jordan

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_DATUM_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6230')
```

Fundamental point: Potsdam (Helmert Tower). Latitude: 52°22'51.4456"N, longitude: 13°03'58.9283"E (of Greenwich).

1.8.180 European Datum 1950(1977)

Type: Geodetic
Extent: Iran - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_DATUM_1950_1977)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6154')
```

Extension of ED50 over Iran.

Sometimes referred to as ED50-ED77.

1.8.181 European Datum 1979

Type: Geodetic
Extent: Europe - west

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_DATUM_1979)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6668')
```

Fundamental point: Potsdam (Helmert Tower). Latitude: 52°22'51.4456"N, longitude: 13°03'58.9283"E (of Greenwich).

Replaced by 1987 adjustment.

1.8.182 European Datum 1987

Type: Geodetic
Extent: Europe - west

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_DATUM_1987)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6231')
```

Fundamental point: Potsdam (Helmert Tower). Latitude: 52°22'51.4456"N, longitude: 13°03'58.9283"E (of Greenwich).

1.8.183 European Libyan Datum 1979

Type: Geodetic
Extent: Libya - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_LIBYAN_DATUM_1979)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6159')
```

Extension of ED50 over Libya.

1.8.184 European Terrestrial Reference Frame 1989

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1989)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1178')
```

Coincides with ITRF89 at epoch 1989.0. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the AM02 geophysical model.

Defined by transformation from ITRF89 (CT code 7932). Replaced by ETRF90 (datum code 1179).

1.8.185 European Terrestrial Reference Frame 1990

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1990)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1179')
```

Coincides with ITRF90 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the AM02 geophysical model.

Defined by transformation from ITRF90 (CT code 7933). Replaces ETRF89 (datum code 1178). Replaced by ETRF91 (datum code 1180).

1.8.186 European Terrestrial Reference Frame 1991

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1991)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1180')
```

Coincides with ITRF91 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the AM02 geophysical model.

Defined by transformation from ITRF91 (CT code 7934). Replaces ETRF90 (datum code 1179). Replaced by ETRF92 (datum code 1181).

1.8.187 European Terrestrial Reference Frame 1992

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1181')
```

Coincides with ITRF92 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the NNR-NUVEL-1 geophysical model.

Defined by transformation from ITRF92 (CT code 7935). Replaces ETRF91 (datum code 1180). Replaced by ETRF93 (datum code 1182).

1.8.188 European Terrestrial Reference Frame 1993

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1182')
```

Coincides with ITRF93 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the ITRF93 velocity field.

Defined by transformation from ITRF93 (CT code 7936). Replaces ETRF92 (datum code 1181). Replaced by ETRF94 (datum code 1183).

1.8.189 European Terrestrial Reference Frame 1994

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1994)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1183')
```

Coincides with ITRF94 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the NNR-NUVEL-1A geophysical model.

Defined by transformation from ITRF94 (CT code 7937). Replaces ETRF93 (datum code 1182). Replaced by ETRF96 (datum code 1184).

1.8.190 European Terrestrial Reference Frame 1996

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1184')
```

Coincides with ITRF96 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the NNR-NUVEL-1A geophysical model.

Defined by transformation from ITRF96 (CT code 7938). Replaces ETRF94 (datum code 1183). Replaced by ETRF97 (datum code 1185).

1.8.191 European Terrestrial Reference Frame 1997

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1185')
```

Coincides with ITRF97 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the NNR-NUVEL-1A geophysical model.

Defined by transformation from ITRF97 (CT code 7939). Replaces ETRF96 (datum code 1184). Replaced by ETRF2000 (datum code 1186).

1.8.192 European Terrestrial Reference Frame 2000

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1186')
```

Coincides with ITRF2000 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the ITRF2000 velocity field.

Defined by transformation from ITRF2000 (CT 7940). Replaces ETRF97. On the publication of ETRF2005 the EUREF TWG recommended that ETRF2000 be the realization of ETRS89. ETRF2014 (code 1206) is technically superior to all earlier realizations of ETRS89.

1.8.193 European Terrestrial Reference Frame 2005

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1204')
```

Coincides with ITRF2005 in orientation and scale at epoch 1989.0 realigned to ITRF89 at epoch 1989.0 using 3 translations. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the ITRF2005 velocity field.

Defined by transformation from ITRF2005 (CT 5900). On publication in 2007 of this reference frame, the EUREF TWG recommended that ETRF2000 rather than this reference frame remained as the preferred realization of ETRS89. Replaced by ETRF2014 (code 1206).

1.8.194 European Terrestrial Reference Frame 2014

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_2014)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1206')
```

Coincides with ITRF2014 at epoch 1989.0. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the ITRF2014 velocity field.

Defined by transformation from ITRF2014 (CT code 8366). Replaces ETRF2005 (datum code 1204). Technically superior to ETRF2000 (datum code 1186).

1.8.195 European Terrestrial Reference Frame 2020

Type: Geodetic
Extent: Europe - onshore and offshore - ETRF extent - approximately 16°W to 33°E and 33°N to 84°N

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_FRAME_2020)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1382')
```

Coincides with ITRF2020 at epoch 1989.0. Fixed to the stable part of the Eurasian tectonic plate through 3 rotation rates derived from the ITRF2020 velocity field.

Defined by transformation from ITRF2020 (CT code 10572). Replaces ETRF2014 (datum code 1206). Technically superior to ETRF2000 (datum code 1186).

1.8.196 European Terrestrial Reference System 1989 ensemble

Type: Ensemble

Extent: Europe - onshore and offshore: Albania; Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czechia; Denmark; Estonia; Faroe Islands; Finland; France; Germany; Gibraltar; Greece; Hungary; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; North Macedonia; Norway including Svalbard and Jan Mayen; Poland; Portugal; Romania; San Marino; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; United Kingdom (UK) including Channel Islands and Isle of Man; Vatican City State

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_TERRESTRIAL_REFERENCE_SYSTEM_1989_ENSEMBLE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6258')
```

Has been realized through ETRF89, ETRF90, ETRF91, ETRF92, ETRF93, ETRF94, ETRF96, ETRF97, ETRF2000, ETRF2005, ETRF2014 and ETRF2020. This 'ensemble' covers any or all of these realizations without distinction.

1.8.197 European Vertical Reference Frame 2000

Type: Vertical

Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar; Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_VERTICAL_REFERENCE_FRAME_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5129')
```

Height at Normaal Amsterdams Peil (NAP) is zero, defined through height at UELN bench mark 13600 (52°22'53"N 4°54'34"E) of 0.71599m. Datum at NAP is mean high tide in 1684.

Realized by geopotential numbers and Normal heights of the United European Levelling Network. Replaced by EVRF2007 (datum code 5215).

1.8.198 European Vertical Reference Frame 2000 Austria

Type: Vertical

Extent: Austria

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_VERTICAL_REFERENCE_FRAME_2000_AUSTRIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1261')
```

Geopotential numbers of the EVRF2000 (UELN95/98) node points in Austria converted to orthometric heights using a digital surface model.

Geoid surface is smoother than the EVRF2000 quasigeoid.

1.8.199 European Vertical Reference Frame 2007

Type: Vertical
Extent: Europe - onshore - Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal - mainland; Romania; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Vatican City State

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_VERTICAL_REFERENCE_FRAME_2007)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5215')
```

Least squares fit to 13 stations of the EVRF2000 solution. Reduced to epoch 2000.0 for Nordic countries using the NKG2005LU uplift model.

Realized by geopotential numbers and Normal heights of the United European Levelling Network. Replaces EVRF2000 (datum code 5129). Replaced by EVRF2019 (datum code 1274).

1.8.200 European Vertical Reference Frame 2007 Poland

Type: Vertical
Extent: Poland - onshore

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_VERTICAL_REFERENCE_FRAME_2007_POLAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1297')
```

Origin: Mean North Sea Level at Amsterdam tide gauge. Normal heights obtained from adjustment of precise leveling campaigns conducted during 1998 - 2012 reduced to epoch 2008.00.

Uses Normal heights.

1.8.201 European Vertical Reference Frame 2019

Type: Vertical
Extent: Europe - onshore - Andorra; Austria; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; North Macedonia; Norway; Poland; Portugal - mainland; Romania; Russia – west of approximately 60°E; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Ukraine; Vatican City State

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_VERTICAL_REFERENCE_FRAME_2019)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1274')
```

Fixed to geopotential values of 12 stable stations of the EVRF2007 solution. Re-adjusted in September 2020. Reduced to epoch 2000.0 for Nordic countries and Russia using the NKG2016LU_lev uplift model and for Switzerland using CHVRF15 velocities.

Following EVRS conventions, EVRF2019 is a zero-tide surface. Replaces EVRF2007 (datum code 5215).

1.8.202 European Vertical Reference Frame 2019 mean tide

Type: Vertical
Extent: Europe - onshore - Andorra; Austria; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czechia; Denmark; Estonia; Finland; France - mainland; Germany; Gibraltar, Hungary; Italy - mainland and Sicily; Latvia; Liechtenstein; Lithuania; Luxembourg; Netherlands; North Macedonia; Norway; Poland; Portugal - mainland; Romania; Russia – west of approximately 60°E; San Marino; Slovakia; Slovenia; Spain - mainland; Sweden; Switzerland; United Kingdom (UK) - Great Britain mainland; Ukraine; Vatican City State

```
Datum::fromSRID(Datum::EPSG_EUROPEAN_VERTICAL_REFERENCE_FRAME_2019_MEAN_TIDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1287')
```

Derived from 2020-09 zero-tide EVRF2019 adjustment by Cmean = Czero + (0.28841*sin^2(phi)) + (0.00195*sin^4(phi)) - 0.09722 - 0.08432 kgal.m. The offset of 0.08432 forces the mean-tide height to the zero-tide height at the EVRF2000 origin in Amsterdam.

Mean-tide surface, describing how water flows. See EVRF2019 (datum code 1274) for zero-tide surface which is consistent with ETRS conventions.

1.8.203 FNL22 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Inverness to Thurso and Wick

```
Datum::fromSRID(Datum::EPSG_FNL22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1321')
```

Defined through the application of the FNL22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS “FNL22” in the emulation of the FNL22 Snake map projection.

1.8.204 Fahud

Type: Geodetic
Extent: Oman - mainland onshore

```
Datum::fromSRID(Datum::EPSG_FAHUD)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6232')
```

Fundamental point: Station NO68-024 Fahud. Latitude: 22°17’31.182”N, longitude: 56°29’18.820”E (of Greenwich).

Replaced by PSD93 (code 6134).

1.8.205 Fahud Height Datum

Type: Vertical
Extent: Oman - mainland onshore

```
Datum::fromSRID(Datum::EPSG_FAHUD_HEIGHT_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5124')
```

Single MSL determination at Mina Al Fahal.

Based on reciprocal trigonometric heighting. Replaced by PHD93 Datum (code 5123) in 1993.

1.8.206 Fair Isle

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Fair Isle onshore

```
Datum::fromSRID(Datum::EPSG_FAIR_ISLE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5139')
```

Orthometric heights.

1.8.207 Famagusta 1960

Type: Vertical
Extent: Cyprus - onshore

```
Datum::fromSRID(Datum::EPSG_FAMAGUSTA_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1148')
```

Mean sea level at Famagusta Harbour.

Orthometric heights.

1.8.208 Fao

Type: Vertical
Extent: Iraq - onshore southeast; Iran - onshore northern Gulf coast and west bordering southeast Iraq

```
Datum::fromSRID(Datum::EPSG_FAO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5149')
```

Established by Hunting Surveys for IPC. In Iran replaced by Bandar Abbas (code 5150). At time of record creation NIOC data in Ahwaz area still usually referenced to Fao. In Iraq replaced by Fao 1979 (code 1028).

1.8.209 Fao 1979

Type: Vertical
Extent: Iraq - onshore

```
Datum::fromSRID(Datum::EPSG_FAO_1979)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1028')
```

Average sea level at Fao during two-year period in mid/late 1970s.

Levelling network established by Polservice consortium. Replaces Fao (datum code 5149) in Iraq.

1.8.210 Faroe Datum 1954

Type: Geodetic
Extent: Faroe Islands - onshore

```
Datum::fromSRID(Datum::EPSG_FAROE_DATUM_1954)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6741')
```

Astronomical observations at 3 points.

Replaced by ED50 in late 1970's for all purposes other than cadastre. Replaced by fk89 for cadastre.

1.8.211 Faroe Islands Vertical Reference 2009

Type: Vertical
Extent: Faroe Islands - onshore

```
Datum::fromSRID(Datum::EPSG_FAROE_ISLANDS_VERTICAL_REFERENCE_2009)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1059')
```

Mean Tidal Height System.

1.8.212 Fatu Iva 72

Type: Geodetic
Extent: French Polynesia - Marquesas Islands - Fatu Hiva

```
Datum::fromSRID(Datum::EPSG_FATU_IVA_72)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6688')
```

Fundamental point: Latitude: 9°25'58.00"S, longitude: 138°55'06.25"W (of Greenwich).

Recomputed by IGN in 1972 using origin and observations of 1953-1955 Mission Hydrographique des Establissements Francais d'Oceanie (MHEFO 55). Replaced by RGPF (datum code 6687).

1.8.213 Fehmarnbelt Datum 2010

Type: Geodetic
Extent: Fehmarnbelt area of Denmark and Germany

```
Datum::fromSRID(Datum::EPSG_FEHMARNBELT_DATUM_2010)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1078')
```

ITRF2005 at epoch 2010.14.

Defined through coordinates of four permanant GNSS stations.

1.8.214 Fehmarnbelt Vertical Reference 2010

Type: Vertical
Extent: Fehmarnbelt area of Denmark and Germany

```
Datum::fromSRID(Datum::EPSG_FEHMARNBELT_VERTICAL_REFERENCE_2010)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1079')
```

Realised by precise levelling between tide gauges at Marienleuchte (Germany), Rodbyhavn (Denmark) and four Fehmarnbelt project GNSS stations.

1.8.215 Fiji 1956

Type: Geodetic
Extent: Fiji - onshore - Vanua Levu, Taveuni, Viti Levu and and immediately adjacent smaller islands of Yasawa and Kandavu groups

```
Datum::fromSRID(Datum::EPSG_FIJI_1956)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6721')
```

Latitude origin was obtained astronomically at station Rasusuva = 17°49’03.13”S, longitude origin was obtained astronomically at station Suva = 178°25’35.835”E (of Greenwich).

For topographic mapping replaces Viti Levu 1912 and Vanua Levu 1915. Replaced by Fiji Geodetic Datum 1986.

1.8.216 Fiji Geodetic Datum 1986

Type: Geodetic
Extent: Fiji - onshore. Includes Viti Levu, Vanua Levu, Taveuni, the Yasawa Group, the Kadavu Group, the Lau Islands and Rotuma Islands

```
Datum::fromSRID(Datum::EPSG_FIJI_GEODETIC_DATUM_1986)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6720')
```

NWL 9D coordinates of 6 stations on Vitu Levu and Vanua Levu.

Replaces Viti Levu 1912, Vanua Levu 1915 and Fiji 1956.

1.8.217 Final Datum 1958

Type: Geodetic
Extent: Iran - Arwaz area and onshore Gulf coast west of 54°E, Lavan Island, offshore Balal field and South Pars blocks 2 and 3

```
Datum::fromSRID(Datum::EPSG_FINAL_DATUM_1958)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6132')
```

Fundamental point: Maniyur. Latitude: 31°23'59.19"N, longitude: 48°32'31.38"E (of Greenwich).

Network included in Nahrwan 1967 adjustment.

1.8.218 Flannan Isles

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Flannan Isles onshore

```
Datum::fromSRID(Datum::EPSG_FLANNAN_ISLES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5146')
```

Orthometric heights.

1.8.219 Formentera

Type: Vertical
Extent: Spain - Balearic Islands - Formentera - onshore

```
Datum::fromSRID(Datum::EPSG_FORMENTERA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1362')
```

Mean Sea Level at La Sabina harbour between 2000-10-25 and 2001-04-18.

Orthometric heights.

1.8.220 Fort Marigot

Type: Geodetic
Extent: Guadeloupe - onshore - St Martin and St Barthélemy islands

```
Datum::fromSRID(Datum::EPSG_FORT_MARIGOT)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6621')
```

Replaced by RRAF 1991 (datum code 1047).

1.8.221 Foula

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Foula onshore

```
Datum::fromSRID(Datum::EPSG_FOULA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5141')
```

Orthometric heights.

1.8.222 Fuerteventura

Type: Vertical
Extent: Spain - Canary Islands - Fuerteventura onshore

```
Datum::fromSRID(Datum::EPSG_FUERTEVENTURA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1279')
```

Mean Sea Level at Puerto del Rosario harbour between 1999-09-08 and 2000-12-31.

Orthometric heights.

1.8.223 GBK19 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Glasgow to Kilmarnock via Barrhead and the branch to East Kilbride

```
Datum::fromSRID(Datum::EPSG_GBK19_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1289')
```

Defined through the application of the GBK19 NTv2 transformation (code 9454) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2020 to support intermediate CRS “GBK19-IRF” in the emulation of the combined GBK19 Snake map projection.

1.8.224 GNTRANS

Type: Vertical

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Datum::fromSRID(Datum::EPSG_GNTRANS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1316')
```

Surface defined by the EGG97 quasi-geoid model modified in GNTRANS to achieve absolute position optimised for use with DB_REF.

Implemented in GNTRANS. The GNTRANS height surface is available only through the GNTRANS application. Replaced by the GNTRANS2016 height surface (datum code 1318).

1.8.225 GNTRANS2016

Type: Vertical

Extent: Germany - onshore - states of Baden-Wurtemberg, Bayern, Berlin, Brandenburg, Bremen, Hamburg, Hessen, Mecklenburg-Vorpommern, Niedersachsen, Nordrhein-Westfalen, Rheinland-Pfalz, Saarland, Sachsen, Sachsen-Anhalt, Schleswig-Holstein, Thuringen

```
Datum::fromSRID(Datum::EPSG_GNTRANS2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1318')
```

Surface defined by the GCG2016 quasi-geoid model applied to ETRS89.

Approximates the national DHHN2016 levelling surface to around 1cm in lowlands and 2cm in high mountains, but unlike DHHN2016 it is defined by the GCG2016 geoid model. Like DHHN2016, uses Normal heights in the mean tide system.

1.8.226 GWPBS22 Intermediate Reference Frame

Type: Geodetic

Extent: United Kingdom (UK) - on or related to the rail route from London (Paddington) to Swansea

```
Datum::fromSRID(Datum::EPSG_GWPBS22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1340')
```

Defined through the application of the GWPBS22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS GWPBS22-IRF in the emulation of the GWPBS22 Snake map projection.

1.8.227 GWWAB22 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail routes around Cardiff and the valleys

```
Datum::fromSRID(Datum::EPSG_GWWAB22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1341')
```

Defined through the application of the GWWAB22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS GWWAB22-IRF in the emulation of the GWWAB22 Snake map projection.

1.8.228 GWWWA22 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail routes from Swansea to Pembroke Dock, Milford Haven and Fishguard

```
Datum::fromSRID(Datum::EPSG_GWWWA22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1342')
```

Defined through the application of the GWWWA22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS GWWWA22-IRF in the emulation of the GWWWA22 Snake map projection.

1.8.229 Gambia

Type: Geodetic
Extent: Gambia - onshore

```
Datum::fromSRID(Datum::EPSG_GAMBIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1139')
```

1.8.230 Gan 1970

Type: Geodetic
Extent: Maldives - onshore

```
Datum::fromSRID(Datum::EPSG_GAN_1970)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6684')
```

In some references incorrectly named “Gandajika 1970”. See datum code 6685.

1.8.231 Garoua

Type: Geodetic
Extent: Cameroon - Garoua area

```
Datum::fromSRID(Datum::EPSG_GAROUA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6197')
```

Fundamental point: IGN astronomical station and benchmark no. 16 at Tongo. Latitude 8°55'08.74"N, longitude 13°30'43.19"E (of Greenwich).

1.8.232 Gebrauchshohen ADRIA

Type: Vertical
Extent: Austria

```
Datum::fromSRID(Datum::EPSG_GEBRAUCHSHOHEN_ADRIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5176')
```

Reference point Hutbiegl defined relative to mean sea level at Trieste in 1875.

Normal-orthometric heights.

1.8.233 Generalstabens System Bornholm Intermediate Datum

Type: Geodetic
Extent: Denmark - Bornholm onshore

```
Datum::fromSRID(Datum::EPSG_GENERALSTABENS_SYSTEM_BORNHOLM_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1348')
```

The old Copenhagen Observatory at Rundetårn. Originally, longitudes were reckoned from the meridian through the observatory but in this reconstruction longitudes are referenced to the Greenwich meridian.

Created in 2022 to support intermediate CRS GSB-IRF in the transformation of coordinates between the historic Generalstaben System and ETRS89. The data are reconstructions based on information synthesized in historical empirical transformations to ED50.

1.8.234 Generalstabens System Intermediate Datum

Type: Geodetic
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland

```
Datum::fromSRID(Datum::EPSG_GENERALSTABENS_SYSTEM_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1347')
```

The old Copenhagen Observatory at Rundetårn. Originally, longitudes were reckoned from the meridian through the observatory but in this reconstruction longitudes are referenced to the Greenwich meridian.

Created in 2022 to support intermediate CRS GS-IRF in the transformation of coordinates between the historic Generalstaben System and ETRS89. The data are reconstructions based on information synthesized in historical empirical transformations to ED50.

1.8.235 Genoa 1942

Type: Vertical
Extent: Italy - mainland (including San Marino and Vatican City State) and Sicily

```
Datum::fromSRID(Datum::EPSG_GENOA_1942)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1051')
```

Mean Sea Level at Genoa (Ponte Morosini) 1937-1946.

Orthometric heights.

1.8.236 Geocentric Datum Brunei Darussalam 2009

Type: Geodetic
Extent: Brunei Darussalam - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_GEOCENTRIC_DATUM_BRUNEI_DARUSSALAM_2009)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1056')
```

ITRF2005 at epoch 2009.45

Replaces use of Timbalai from July 2009.

1.8.237 Geocentric Datum of Australia 1994

Type: Geodetic
Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Datum::fromSRID(Datum::EPSG_GEOCENTRIC_DATUM_OF_AUSTRALIA_1994)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6283')
```

ITRF92 at epoch 1994.0.

1.8.238 Geocentric Datum of Australia 2020

Type: Geodetic
Extent: Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore

```
Datum::fromSRID(Datum::EPSG_GEOCENTRIC_DATUM_OF_AUSTRALIA_2020)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1168')
```

ITRF2014 at epoch 2020.0.

1.8.239 Geodetic Datum of 1965

Type: Geodetic
Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_GEODETIC_DATUM_OF_1965)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6300')
```

Adjusted to best mean fit 9 stations of the OSNI 1952 primary adjustment in Northern Ireland plus the 1965 values of 3 stations in the Republic of Ireland.

Differences from the 1965 adjustment (datum code 6299) are: average difference in Eastings 0.092m; average difference in Northings 0.108m; maximum vector difference 0.548m.

1.8.240 Geodetic Datum of Malaysia 2000

Type: Geodetic
Extent: Malaysia - onshore and offshore. Includes peninsular Malayasia, Sabah and Sarawak

```
Datum::fromSRID(Datum::EPSG_GEODETIC_DATUM_OF_MALAYSIA_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6742')
```

ITRF2000, epoch 2000.0.

Replaces all older Malaysian datums.

1.8.241 Geodezicheskaya Sistema Koordinat 2011

Type: Geodetic
Extent: Russian Federation - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_GEODEZICHESKAYA_SISTEMA_KOORDINAT_2011)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1159')
```

Coordinates of the Russian fundamental astronomic-geodetic network (about 50 stations) at epoch 2011.0

1.8.242 Gisborne 1926

Type: Vertical
Extent: New Zealand - North Island - Gisborne vertical CRS area

```
Datum::fromSRID(Datum::EPSG_GISBORNE_1926)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5160')
```

MSL at Gisborne harbour 1926.

1.8.243 Gran Canaria

Type: Vertical
Extent: Spain - Canary Islands - Gran Canaria onshore

```
Datum::fromSRID(Datum::EPSG_GRAN_CANARIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1280')
```

Mean Sea Level at Las Palmas de Gran Canaria harbour between 1992 and 1997.

Orthometric heights.

1.8.244 Grand Cayman Geodetic Datum 1959

Type: Geodetic
Extent: Cayman Islands - Grand Cayman

```
Datum::fromSRID(Datum::EPSG_GRAND_CAYMAN_GEODETIC_DATUM_1959)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6723')
```

Fundamental point: GC1. Latitude: 19°17’54.43”N, longitude: 81°22’37.17”W (of Greenwich).

Replaced by CIGD11 (datum code 1100).

1.8.245 Grand Cayman Vertical Datum 1954

Type: Vertical
Extent: Cayman Islands - Grand Cayman

```
Datum::fromSRID(Datum::EPSG_GRAND_CAYMAN_VERTICAL_DATUM_1954)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1097')
```

1.8.246 Grand Comoros

Type: Geodetic
Extent: Comoros - Njazidja (Grande Comore)

```
Datum::fromSRID(Datum::EPSG_GRAND_COMOROS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6646')
```

Fundamental point: M'Tsaoueni. Latitude: 11°28'32.200"S, longitude: 43°15'42.315"E (of Greenwich).

1.8.247 Greek

Type: Geodetic
Extent: Greece - onshore

```
Datum::fromSRID(Datum::EPSG_GREEK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6120')
```

Fundamental point: Athens Observatory. Latitude 37°58'20.132"N, longitude 23°42'58.815"E (of Greenwich)

See geodetic datum alias 6404. Used as basis of topographic mapping based on Hatt projection. Replaced by GGRS87 (code 6121).

1.8.248 Greek (Athens)

Type: Geodetic
Extent: Greece - onshore

```
Datum::fromSRID(Datum::EPSG_GREEK_ATHENS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6815')
```

Fundamental point: Athens Observatory. Latitude 37°58'20.132"N, longitude 0°E (of Athens).

See geodetic datum alias 6404. Used as basis of topographic mapping based on Hatt projection.

1.8.249 Greek Geodetic Reference System 1987

Type: Geodetic
Extent: Greece - onshore

```
Datum::fromSRID(Datum::EPSG_GREEK_GEODETIC_REFERENCE_SYSTEM_1987)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6121')
```

Fundamental point: Dionysos. Latitude 38°04'33.8"N, longitude 23°55'51.0"E of Greenwich; geoid height 7.0 m.

Replaced (old) Greek datum. Oil industry work based on ED50.

1.8.250 Greenland 1996

Type: Geodetic
Extent: Greenland - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_GREENLAND_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6747')
```

ITRF94 at epoch 1996.62

Replaces Ammassalik 1958, Qornoq 1927 and Scoresbysund 1952.

1.8.251 Greenland Local Mean Sea Level (2022)

Type: Vertical
Extent: Greenland - onshore

```
Datum::fromSRID(Datum::EPSG_GREENLAND_LOCAL_MEAN_SEA_LEVEL_2022)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1378')
```

77 disconnected local levelling nets introduced between 1945 and 1983 each tied to local mean sea level.

GLLMSL has been introduced to accomodate transformations between older local height systems and the modern nation-wide height systems. In effect these datums are now defined by their transformation to GVR2016.

1.8.252 Greenland Vertical Reference 2000

Type: Vertical
Extent: Greenland - onshore and offshore between 59°N and 84°N and west of 10°W

```
Datum::fromSRID(Datum::EPSG_GREENLAND_VERTICAL_REFERENCE_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1199')
```

Defined through the gravimetric geoid 2000 model locally aligned with MSL at a number of sites.

Orthometric heights. Replaced by GVR2016.

1.8.253 Greenland Vertical Reference 2016

Type: Vertical
Extent: Greenland - onshore and offshore between 58°N and 85°N and west of 7°W

```
Datum::fromSRID(Datum::EPSG_GREENLAND_VERTICAL_REFERENCE_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1200')
```

Defined through the gravimetric geoid 2016 model locally aligned to MSL as measured at Nuuk during the 1960s.

Orthometric heights. Replaces GVR2000.

1.8.254 Grenada 1953

Type: Geodetic
Extent: Grenada and southern Grenadine Islands - onshore

```
Datum::fromSRID(Datum::EPSG_GRENADA_1953)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6603')
```

Fundamental point: station GS8, Sante Marie.

1.8.255 Guadeloupe 1948

Type: Geodetic
Extent: Guadeloupe - onshore - Basse-Terre, Grande-Terre, La Desirade, Marie-Galante, Les Saintes

```
Datum::fromSRID(Datum::EPSG_GUADELOUPE_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6622')
```

Replaced by RRAF 1991 (datum code 1047).

1.8.256 Guadeloupe 1951

Type: Vertical
Extent: Guadeloupe - onshore - Basse-Terre and Grande-Terre

```
Datum::fromSRID(Datum::EPSG_GUADELOUPE_1951)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5193')
```

Mean sea level July 1947 to June 1948 at Pointe-Fouillole (Pointe-à-Pitre harbour). Origin = marker AO'-12 with height of 1.917m above msl.

Orthometric heights. Replaced by Guadeloupe 1988 (datum code 5155). Guadeloupe 1951 height 0.00m is 0.629m above 1947-48 sounding datum.

1.8.257 Guadeloupe 1988

Type: Vertical
Extent: Guadeloupe - onshore - Basse-Terre and Grande-Terre

```
Datum::fromSRID(Datum::EPSG_GUADELOUPE_1988)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5155')
```

Mean sea level July 1947 to June 1948 at Pointe-Fouillole (Pointe-à-Pitre harbour). Origin = marker GO-7 (formerly AO'-5) with defined height of 2.67m above msl adopted from 1951 value. Guadeloupe 1988 height 0.00m is 0.46m above 1984 sounding datum.

Orthometric heights. Replaces Guadeloupe 1951 (datum code 5193).

1.8.258 Guam 1963

Type: Geodetic
Extent: Guam - onshore. Northern Mariana Islands - onshore

```
Datum::fromSRID(Datum::EPSG_GUAM_1963)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6675')
```

Fundamental point: Tagcha. Latitude: 13°22'38.49"N, longitude: 144°45'51.56"E (of Greenwich).

Replaced by NAD83(HARN)

1.8.259 Guam Vertical Datum of 1963

Type: Vertical
Extent: Guam - onshore

```
Datum::fromSRID(Datum::EPSG_GUAM_VERTICAL_DATUM_OF_1963)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1122')
```

Mean sea level at Apra harbor, Guam, 1949-1962. Benchmark NO 5 1949 = 0.599m.

Replaced by Guam vertical datum of 2004 (datum code 1126).

1.8.260 Guam Vertical Datum of 2004

Type: Vertical
Extent: Guam - onshore

```
Datum::fromSRID(Datum::EPSG_GUAM_VERTICAL_DATUM_OF_2004)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1126')
```

Mean sea level at Apra harbor, Guam. Benchmark 1630000 TIDAL 4 = 2.170m relative to US National Tidal Datum Epoch 1983-2001. MSL is 0.419m above MLLW and the BM is 2.589m above MLLW.

Replaces Guam Vertical Datum of 1963 (datum code 1122).

1.8.261 Gulshan 303

Type: Geodetic
Extent: Bangladesh - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_GULSHAN_303)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6682')
```

Gulshan garden, Dhaka.

Network of more than 140 control points observed and adjusted in 1995 by Japan International Cooperation Agency (JICA).

1.8.262 Gunung Segara

Type: Geodetic
Extent: Indonesia - Kalimantan - onshore east coastal area including Mahakam delta coastal and offshore shelf areas

```
Datum::fromSRID(Datum::EPSG_GUNUNG_SEGARA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6613')
```

Station P5 (Gunung Segara). Latitude 0°32'12.83"S, longitude 117°08'48.47"E (of Greenwich).

1.8.263 Gunung Segara (Jakarta)

Type: Geodetic
Extent: Indonesia - Kalimantan - onshore east coastal area including Mahakam delta coastal and offshore shelf areas

```
Datum::fromSRID(Datum::EPSG_GUNUNG_SEGARA_JAKARTA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6820')
```

Station P5 (Gunung Segara) 0°32'12.83"S, 117°08'48.47"E (of Greenwich). Longitude 8°20'20.68"E (of Jakarta).

1.8.264 Gusterberg (Ferro)

Type: Geodetic
Extent: Austria - Upper Austria and Salzburg provinces. Czechia - Bohemia

```
Datum::fromSRID(Datum::EPSG_GUSTERBERG_FERRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1188')
```

Fundamental point: Gusterberg. Latitude: 48°02'18.47"N, longitude: 31°48'15.05"E (of Ferro).

1.8.265 HS2 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - HS2 phases 1 and 2a railway corridor from London to Birmingham, Lichfield and Crewe

```
Datum::fromSRID(Datum::EPSG_HS2_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1264')
```

Defined through application of the HS2TN02 transformation to ETRS89 as realized through OSNet v2001 CORS. Subsequently realized through application of the HS2TN15 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created to support intermediate CRS "HS2-IRF" in the emulation of the HS2P1+14 Snake map projection.

1.8.266 HS2 Vertical Reference Frame

Type: Vertical
Extent: United Kingdom (UK) - HS2 phases 1 and 2a railway corridor from London to Birmingham, Lichfield and Crewe

```
Datum::fromSRID(Datum::EPSG_HS2_VERTICAL_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1265')
```

Equivalent to Ordnance Datum Newlyn as realized through OSNet v2001 and OSGM02.

After introduction of OSNet v2009 CORS, OSTN15 and the OSGM15 geoid model, the HS2 VRF is maintained equivalent to OSNet v2001 and OSGM02 through HS2GM15 (code 9304).

1.8.267 HULLEE13 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from the Morley tunnel through Leeds to Hull

```
Datum::fromSRID(Datum::EPSG_HULLEE13_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1317')
```

Defined through the application of the HULLEE13 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS "HULLEE13-IRF" in the emulation of the HULLEE13 Snake map projection.

1.8.268 Ha Tien 1960

Type: Vertical
Extent: Cambodia - mainland onshore; Vietnam - mainland onshore

```
Datum::fromSRID(Datum::EPSG_HA_TIEN_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5125')
```

In Vietnam replaced by Hon Dau in 1992.

1.8.269 Hanoi 1972

Type: Geodetic
Extent: Vietnam - onshore

```
Datum::fromSRID(Datum::EPSG_HANOI_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6147')
```

1.8.270 Hartebeesthoek94

Type: Geodetic
Extent: Eswatini (Swaziland); Lesotho; South Africa - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_HARTEBEESTHOEK94)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6148')
```

Coincident with ITRF91 at epoch 1994.0 at Hartebeesthoek astronomical observatory near Pretoria.

Replaces Cape datum (code 6222).

1.8.271 Helle 1954

Type: Geodetic
Extent: Jan Mayen - onshore

```
Datum::fromSRID(Datum::EPSG_HELLE_1954)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6660')
```

1.8.272 Helsinki 1943

Type: Vertical
Extent: Finland - onshore mainland south of approximately 66°N

```
Datum::fromSRID(Datum::EPSG_HELSINKI_1943)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1213')
```

MSL at Helsinki during 1943.

Uses orthometric heights. Effect of the land uplift during the 2nd national levelling was not taken into account. Replaced by N60 (datum code 5116).

1.8.273 Helsinki 1960

Type: Vertical
Extent: Finland - onshore

```
Datum::fromSRID(Datum::EPSG_HELSINKI_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5116')
```

MSL at Helsinki during 1960.

Uses orthometric heights. Replaced by N2000 (datum code 1030).

1.8.274 Herat North

Type: Geodetic
Extent: Afghanistan

```
Datum::fromSRID(Datum::EPSG_HERAT_NORTH)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6255')
```

Fundamental point: Herat North. Latitude: 34°23'09.08"N, longitude: 64°10'58.94"E (of Greenwich).

1.8.275 High Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_HIGH_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1094')
```

Not specific to any location or epoch.

The highest water level reached at a place in one tidal cycle. When used on inland (non-tidal) waters it is generally defined as a level which the daily mean water level exceeds less than 5% of the time.

1.8.276 Higher High Water Large Tide

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_HIGHER_HIGH_WATER_LARGE_TIDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1084')
```

Not specific to any location or epoch.

The average of the highest high waters, one from each of 19 years of observations.

1.8.277 Highest Astronomical Tide

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_HIGHEST_ASTRONOMICAL_TIDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1082')
```

Not specific to any location or epoch.

The highest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.

1.8.278 Hito XVIII 1963

Type: Geodetic
Extent: Chile - Tierra del Fuego, onshore; Argentina - Tierra del Fuego, onshore and offshore Atlantic west of 66°W

```
Datum::fromSRID(Datum::EPSG_HITO_XVIII_1963)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6254')
```

Chile-Argentina boundary survey.

Used in Tierra del Fuego.

1.8.279 Hjorsey 1955

Type: Geodetic
Extent: Iceland - mainland

```
Datum::fromSRID(Datum::EPSG_HJORSEY_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6658')
```

Fundamental point: Latitude: 64°31’29.26”N, longitude: 22°22’05.84”W (of Greenwich).

1.8.280 Hon Dau 1992

Type: Vertical
Extent: Vietnam - mainland onshore

```
Datum::fromSRID(Datum::EPSG_HON_DAU_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5126')
```

Replaces Ha Tien in Vietnam.

1.8.281 Hong Kong 1963

Type: Geodetic
Extent: China - Hong Kong - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_HONG_KONG_1963)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6738')
```

Fundamental point: Trig "Zero", 38.4 feet south along the transit circle of the Kowloon Observatory. Latitude 22°18'12.82"N, longitude 114°10'18.75"E (of Greenwich).

Replaced by Hong Kong 1963(67) for military purposes only in 1967. Replaced by Hong Kong 1980.

1.8.282 Hong Kong 1963(67)

Type: Geodetic
Extent: China - Hong Kong - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_HONG_KONG_1963_67)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6739')
```

Fundamental point: Trig "Zero", 38.4 feet south along the transit circle of the Kowloon Observatory. Latitude 22°18'12.82"N, longitude 114°10'18.75"E (of Greenwich).

Replaces Hong Kong 1963 for military purposes only in 1967. Replaced by Hong Kong 1980.

1.8.283 Hong Kong 1980

Type: Geodetic
Extent: China - Hong Kong - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_HONG_KONG_1980)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6611')
```

Fundamental point: Trig "Zero", 38.4 feet south along the transit circle of the Kowloon Observatory. Latitude 22°18'12.82"N, longitude 114°10'18.75"E (of Greenwich).

Replaces Hong Kong 1963 and Hong Kong 1963(67).

1.8.284 Hong Kong Chart Datum

Type: Vertical
Extent: China - Hong Kong - offshore

```
Datum::fromSRID(Datum::EPSG_HONG_KONG_CHART_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5136')
```

Approximates to Lowest Astronomic Tide level (LAT).

Chart datum is 0.15 metres below Hong Kong Principal Datum (code 5135) and 1.38m below MSL at Quarry Bay.

1.8.285 Hong Kong Geodetic

Type: Geodetic
Extent: China - Hong Kong - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_HONG_KONG_GEODETIC)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1209')
```

ITRF96 at epoch 1998.121

Locally sometimes referred to as ITRF96 or WGS 84, these are not strictly correct as it applies only at epoch 1998.121 and ignores subsequent tectonic plate motion.

1.8.286 Hong Kong Principal Datum

Type: Vertical
Extent: China - Hong Kong - onshore

```
Datum::fromSRID(Datum::EPSG_HONG_KONG_PRINCIPAL_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5135')
```

1.23m below the mean of 19 years (1965-83) observations of tide levels at North Point, Victoria Harbour.

1.8.287 Horta

Type: Vertical
Extent: Portugal - central Azores - Faial island onshore

```
Datum::fromSRID(Datum::EPSG_HORTA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1104')
```

Mean Sea Level during 1935 at Horta.

Orthometric heights.

1.8.288 Hu Tzu Shan 1950

Type: Geodetic
Extent: Taiwan, Republic of China - onshore - Taiwan Island, Penghu (Pescadores) Islands

```
Datum::fromSRID(Datum::EPSG_HU_TZU_SHAN_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6236')
```

Fundamental point: Hu Tzu Shan. Latitude: 23°58'32.34"N, longitude: 120°58'25.975"E (of Greenwich).

1.8.289 Huahine SAU 2001

Type: Vertical
Extent: French Polynesia - Society Islands - Huahine

```
Datum::fromSRID(Datum::EPSG_HUAHINE_SAU_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5200')
```

Fundamental benchmark: SHOM B3

Included as part of NGPF - see datum code 5195.

1.8.290 Hughes 1980

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_HUGHES_1980)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1359')
```

Centre of the Earth.

Used in US Air Force Defense Meteorological Satellite Program (DMSP) Special Sensor Microwave Imager (SSM/I) and Special Sensor Microwave Imager/Sounder (SSMIS) processing software.

1.8.291 Hungarian Datum 1909

Type: Geodetic
Extent: Hungary

```
Datum::fromSRID(Datum::EPSG_HUNGARIAN_DATUM_1909)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1024')
```

Fundamental point not given in information source, but presumably Szolohegy which is origin of later HD72.

Replaced earlier HD1863 adjustment also on Bessel ellipsoid. Both HD1863 and HD1909 were originally on Ferro Prime Meridian but subsequently converted to Greenwich. Replaced by HD72 (datum code 6237).

1.8.292 Hungarian Datum 1972

Type: Geodetic
Extent: Hungary

```
Datum::fromSRID(Datum::EPSG_HUNGARIAN_DATUM_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6237')
```

Fundamental point: Szolohegy. Latitude: 47°17'32,6156"N, longitude 19°36'09.9865"E (of Greenwich); geoid height 6.56m.

Replaced Hungarian Datum 1909 (EPSG datum code 1024).

1.8.293 IG05 Intermediate Datum

Type: Geodetic
Extent: Israel - onshore; Palestine Territory - onshore

```
Datum::fromSRID(Datum::EPSG_IG05_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1142')
```

Defined by transformation from IGD05 at epoch 2004.75.

1.8.294 IG05/12 Intermediate Datum

Type: Geodetic
Extent: Israel - onshore; Palestine Territory - onshore

```
Datum::fromSRID(Datum::EPSG_IG05_12_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1144')
```

Defined by transformation from IGD05/12 at epoch 2012.00.

1.8.295 IGC 1962 Arc of the 6th Parallel South

Type: Geodetic
Extent: The Democratic Republic of the Congo (Zaire) - adjacent to 6th parallel south traverse

```
Datum::fromSRID(Datum::EPSG_IGC_1962_ARC_OF_THE_6TH_PARALLEL_SOUTH)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6697')
```

Coordinates of 3 stations determined with respect to Arc 1950: Mulungu 4°47'39.2325"S, 29°59'37.5864"E; Nyakawembe 4°14'57.3618"S, 29°42'52.8032"E; Kavula 4°35'15.8634"S, 29°41'14.2693"E (all longitude w.r.t. Greenwich).

1.8.296 IGN 1962 Kerguelen

Type: Geodetic
Extent: French Southern Territories - Kerguelen onshore

```
Datum::fromSRID(Datum::EPSG_IGN_1962_KERGUELEN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6698')
```

K0 1949.

1.8.297 IGN 1966

Type: Vertical
Extent: French Polynesia - Society Islands - Tahiti

```
Datum::fromSRID(Datum::EPSG_IGN_1966)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5196')
```

Fundamental benchmark: RN501

Included as part of NGPF - see datum code 5195.

1.8.298 IGN 1988 LS

Type: Vertical
Extent: Guadeloupe - onshore - Les Saintes

```
Datum::fromSRID(Datum::EPSG_IGN_1988_LS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5210')
```

Mean sea level 1984 at Terre de Haut. Origin = marker O de -5 with defined height of 1.441m above msl. IGN 1988 LS height 0.00m is 0.46m above 1987 sounding datum; this approximately corresponds with msl at Pointe-à-Pitre (see datum code 5155, CRS 5757).

Orthometric heights.

1.8.299 IGN 1988 MG

Type: Vertical
Extent: Guadeloupe - onshore - Marie-Galante

```
Datum::fromSRID(Datum::EPSG_IGN_1988_MG)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5211')
```

Mean sea level 1987 at Grand-Bourg. Origin = marker M0-I with defined height of 0.832m above msl. IGN 1988 MG height 0.00m is 0.46m above 1987 sounding datum; this approximately corresponds with msl at Pointe-à-Pitre (see datum code 5155, CRS code 5757).

Orthometric heights.

1.8.300 IGN 1988 SB

Type: Vertical

Extent: Guadeloupe - onshore - St Barthelemy island

```
Datum::fromSRID(Datum::EPSG_IGN_1988_SB)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5213')
```

Mean sea level 1988 at port of Gustavia. Origin = marker A.ef-2 with defined height of 0.621m above msl. IGN 1988 SB height 0.00m deduced to be 0.201m above mean sea level at Pointe-à-Pitre.

Orthometric heights.

1.8.301 IGN 1988 SM

Type: Vertical

Extent: Guadeloupe - onshore - St Martin island

```
Datum::fromSRID(Datum::EPSG_IGN_1988_SM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5214')
```

Mean sea level 1949-1950 deduced at Fort Marigot. Origin = marker AS-13 with defined height of 6.990m above msl. IGN 1988 SM height 0.00m deduced to be 0.41m above sounding datum.

Orthometric heights.

1.8.302 IGN 1992 LD

Type: Vertical

Extent: Guadeloupe - onshore - La Desirade

```
Datum::fromSRID(Datum::EPSG_IGN_1992_LD)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5212')
```

Mean sea level at Pointe-à-Pitre. Origin = marker A with defined height of 0.792m above msl. IGN 1992 LD height 0.00m is 0.629m above sounding datum at Pointe-à-Pitre.

Orthometric heights. Replaced by IGN 2008 LD (datum code 1250).

1.8.303 IGN 2008 LD

Type: Vertical
Extent: Guadeloupe - onshore - La Desirade

```
Datum::fromSRID(Datum::EPSG_IGN_2008_LD)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1250')
```

Mean sea level at Pointe-à-Pitre. Origin = IGN Marker 20A with defined height of 0.50 m above msl of 1987.

Orthometric heights. Replaces IGN 1992 LD (datum code 5212).

1.8.304 IGN Astro 1960

Type: Geodetic
Extent: Mauritania - onshore

```
Datum::fromSRID(Datum::EPSG_IGN_ASTRO_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6700')
```

Realised through a set of independent astronomically-positioned points.

Observed during 1959-1960. Independent points not connected through a network. Relative accuracy estimated at 50-100m. Replaced by Mauritania 1999 (datum code 6702).

1.8.305 IGN53 Mare

Type: Geodetic
Extent: New Caledonia - Loyalty Islands - Mare

```
Datum::fromSRID(Datum::EPSG_IGN53_MARE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6641')
```

South-east end of the La Roche base.

1.8.306 IGN56 Lifou

Type: Geodetic
Extent: New Caledonia - Loyalty Islands - Lifou

```
Datum::fromSRID(Datum::EPSG_IGN56_LIFOU)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6633')
```

South end of the Goume base.

1.8.307 IGN63 Hiva Oa

Type: Geodetic
Extent: French Polynesia - Marquesas Islands - Hiva Oa and Tahuata

```
Datum::fromSRID(Datum::EPSG_IGN63_HIVA_OA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6689')
```

Fundamental point: Atuona. Latitude: 9°48'27.20"S, longitude: 139°02'15.45"W (of Greenwich).

Replaced by RGPF (datum code 6687).

1.8.308 IGN72 Grande Terre

Type: Geodetic
Extent: New Caledonia - Grande Terre

```
Datum::fromSRID(Datum::EPSG_IGN72_GRANDE_TERRE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6634')
```

North end of Gomen base.

1.8.309 IGN72 Nuku Hiva

Type: Geodetic
Extent: French Polynesia - Marquesas Islands - Nuku Hiva, Ua Huka and Ua Pou

```
Datum::fromSRID(Datum::EPSG_IGN72_NUKU_HIVA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6630')
```

Fundamental point: Taiohae. Latitude: 8°55'03.97"S, longitude: 140°05'36.24"W (of Greenwich).

Replaced by RGPF (datum code 6687).

1.8.310 IGS00

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGS00)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1245')
```

Derived from ITRF2000 at epoch 1998.00 through a subset of 54 stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1143 through GPS week 1252 (2001-12-02 through 2004-01-10). Replaces IGS97, replaced by IGb00. For all practical purposes coincident with ITRF2000.

1.8.311 IGS05

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGS05)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1247')
```

Derived from ITRF2005 at epoch 2000.00 through a subset of 139 stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1400 through GPS week 1631 (2006-11-05 to 2011-04-16). Replaces IGb00, replaced by IGb08. For all practical purposes coincident with ITRF2005.

1.8.312 IGS08

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGS08)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1141')
```

Derived from ITRF2008 at epoch 2005.00 through a subset of 232 stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1632 through GPS week 1708 (2011-04-17 through 2012-10-06). Replaces IGS05. Replaced by IGb08. For all practical purposes coincident with ITRF2008.

1.8.313 IGS14

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGS14)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1191')
```

Derived from ITRF2014 at epoch 2010.00 through a subset of 252 stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1934 (2017-01-29) through GPS week 2105 (2020-05-16). Replaces IGb08, replaced by IGb14. For all practical purposes coincident with ITRF2014.

1.8.314 IGS20

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGS20)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1333')
```

A subset of 332 stable, well-performing IGS stations from ITRF2020.

Used for IGS products from GPS week 2238 (2022-11-27). Replaces IGb14. Compared to IGb14, IGS20 contains 98 new stations, mostly in previously sparsely covered areas, but with 25 IGb14 sites removed. For all practical purposes coincident with ITRF2020.

1.8.315 IGS97

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGS97)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1244')
```

Derived from ITRF97 at epoch 1997.00 through a subset of stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1065 through GPS week 1142 (2000-06-04 to 2001-12-01). Replaced by IGS00. For all practical purposes coincident with ITRF97.

1.8.316 IGb00

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGB00)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1246')
```

Derived from ITRF2000 at epoch 1998.00 through a subset of 99 stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1253 through GPS week 1399 (2004-01-11 to 2006-11-04). Replaces IGS00, replaced by IGS05. For all practical purposes coincident with ITRF2000.

1.8.317 IGb08

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGB08)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1248')
```

Derived from ITRF2008 at epoch 2005.00 through a subset of 232 stable IGS station coordinates. Preserves the ITRF origin, orientation and scale, but without any distortions introduced from non-GNSS space-geodetic techniques.

Used for IGS products from GPS week 1709 through GPS week 1933 (2012-10-07 to 2017-01-28). Replaces IGS08, replaced by IGS14. For all practical purposes coincident with ITRF2008.

1.8.318 IGb14

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_IGB14)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1272')
```

Daily IGS combined operational solutions of GPS weeks 730 to 2092. IGb14 is aligned in origin, scale and orientation to IGS14 via a subset of 233 selected stations. As IGS14 is aligned to ITRF2014, IGb14 is also aligned to ITRF2014.

Used for IGS products from GPS week 2106 (2020-05-17). Replaces IGS14. Compared to IGS14, IGb14 benefits from 5 more years of input data, a revised discontinuity list and 9 additional stations. For all practical purposes coincident with ITRF2014.

1.8.319 IRENET95

Type: Geodetic
Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_IRENET95)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6173')
```

ETRS89 stations in Ireland

Densification of ETRS89

1.8.320 Ibiza

Type: Vertical
Extent: Spain - Balearic Islands - Ibiza - onshore

```
Datum::fromSRID(Datum::EPSG_IBIZA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1277')
```

Mean Sea Level at Ibiza harbour between January 2003 and December 2005.

Orthometric heights.

1.8.321 Indian 1954

Type: Geodetic
Extent: Myanmar (Burma) - onshore; Thailand - onshore

```
Datum::fromSRID(Datum::EPSG_INDIAN_1954)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6239')
```

Extension of Kalianpur 1937 over Myanmar and Thailand.

1.8.322 Indian 1960

Type: Geodetic
Extent: Cambodia - onshore; Vietnam - onshore and offshore Cuu Long basin

```
Datum::fromSRID(Datum::EPSG_INDIAN_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6131')
```

DMA extension over IndoChina of the Indian 1954 network adjusted to better fit local geoid.

Also known as Indian (DMA Reduced).

1.8.323 Indian 1975

Type: Geodetic
Extent: Thailand - onshore plus offshore Gulf of Thailand

```
Datum::fromSRID(Datum::EPSG_INDIAN_1975)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6240')
```

Fundamental point: Khau Sakaerang.

1.8.324 Indian Spring Low Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_INDIAN_SPRING_LOW_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1085')
```

Not specific to any location or epoch.

The level below MSL equal to the sum of the amplitudes of the harmonic constituents M2, S2, K1 and O1. It approximates mean lower low water spring tides (MLLWS).

1.8.325 Indonesian Datum 1974

Type: Geodetic
Extent: Indonesia - onshore

```
Datum::fromSRID(Datum::EPSG_INDONESIAN_DATUM_1974)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6238')
```

Fundamental point: Padang. Latitude: 0°56'38.414"S, longitude: 100°22' 8.804"E (of Greenwich). Ellipsoidal height 3.190m, gravity-related height 14.0m above mean sea level.

Replaced by DGN95.

1.8.326 Indonesian Geoid 2020 version 1

Type: Vertical
Extent: Indonesia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_INDONESIAN_GEOID_2020_VERSION_1)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1294')
```

Defined by INAGeoid2020 gravimetric geoid model v1 applied to SRGI2013.

Uses gravity data observed to 2019 fitted to control points on Java and Bali.

1.8.327 Indonesian Geoid 2020 version 2

Type: Vertical
Extent: Indonesia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_INDONESIAN_GEOID_2020_VERSION_2)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1328')
```

Defined by INAGeoid2020 gravimetric geoid model v2 applied to SRGI2013.

Uses gravity data observed to 2021 fitted to tide gauge benchmarks across Indonesia.

1.8.328 Instantaneous Water Level

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_INSTANTANEOUS_WATER_LEVEL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5113')
```

Instantaneous water level uncorrected for tide.

Not specific to any location or epoch.

1.8.329 Institut Geographique du Congo Belge 1955

Type: Geodetic
Extent: The Democratic Republic of the Congo (Zaire) - Lower Congo (Bas Congo)

```
Datum::fromSRID(Datum::EPSG_INSTITUT_GEOGRAPHIQUE_DU_CONGO_BELGE_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6701')
```

Fundamental point: Yella east base. Latitude: 6°00'53.139"S, longitude: 12°58'29.287"E (of Greenwich).

Replaced by IGC 1962 Arc of the 6th Parallel South, except for oil industry activities.

1.8.330 International Great Lakes Datum 1955

Type: Vertical
Extent: Canada and United States (USA) - Great Lakes basin and St Lawrence Seaway

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_GREAT_LAKES_DATUM_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5204')
```

Mean water level 1941-1956 at Pointe-au-Père (Father's Point), Quebec. Benchmark 1248-G = 3.794m.

Dynamic heights. Adopted in 1962. Replaced by IGLD 1985 in January 1992.

1.8.331 International Great Lakes Datum 1985

Type: Vertical
Extent: Canada and United States (USA) - Great Lakes basin and St Lawrence Seaway

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_GREAT_LAKES_DATUM_1985)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5205')
```

Mean water level 1970-1983 at Pointe-au-Père (Father's Point) and 1984-1988 at Rimouski, Quebec. Benchmark 1250-G = 6.273m.

Dynamic heights. Replaces IGLD 1955 from January 1992.

1.8.332 International Terrestrial Reference Frame 1988

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1988)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6647')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS).

Realization of the IERS Terrestrial Reference System (ITRS) at epoch 1988.0. Replaced by ITRF89 (code 6648).

1.8.333 International Terrestrial Reference Frame 1989

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1989)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6648')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1988.0.

Realization of the IERS Terrestrial Reference System (ITRS) from April 1991. Replaces ITRF88 (code 6647). Replaced by ITRF90 (code 6649).

1.8.334 International Terrestrial Reference Frame 1990

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1990)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6649')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1988.0.

Realization of the IERS Terrestrial Reference System (ITRS) from December 1991. Replaces ITRF89 (code 6648). Replaced by ITRF91 (code 6650).

1.8.335 International Terrestrial Reference Frame 1991

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1991)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6650')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1988.0.

Realization of the IERS Terrestrial Reference System (ITRS) from October 1992. Replaces ITRF90 (code 6649). Replaced by ITRF92 (code 6651).

1.8.336 International Terrestrial Reference Frame 1992

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6651')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 287 3-dimensional Cartesian station coordinates (SCS) for epoch 1988.0.

Realization of the IERS Terrestrial Reference System (ITRS) from October 1993. Replaces ITRF91 (code 6650). Replaced by ITRF93 (code 6652).

1.8.337 International Terrestrial Reference Frame 1993

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6652')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1993.0.

Realization of the IERS Terrestrial Reference System (ITRS) from October 1994. Replaces ITRF92 (code 6651). Replaced by ITRF94 (code 6653).

1.8.338 International Terrestrial Reference Frame 1994

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1994)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6653')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1993.0.

Realization of the IERS Terrestrial Reference System (ITRS) from March 1996. Replaces ITRF93 (code 6652). Replaced by ITRF96 (code 6654).

1.8.339 International Terrestrial Reference Frame 1996

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6654')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1997.0.

Realization of the IERS Terrestrial Reference System (ITRS) from May 1998. Replaces ITRF94 (code 6653). Replaced by ITRF97 (code 6655).

1.8.340 International Terrestrial Reference Frame 1997

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6655')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1997.0.

Realization of the IERS Terrestrial Reference System (ITRS) from May 1999. Replaces ITRF96 (code 6654). Replaced by ITRF2000 (code 6656).

1.8.341 International Terrestrial Reference Frame 2000

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6656')
```

Origin at geocentre, orientated to the BIH Terrestrial System at epoch 1984.0. Datum defined by a set of 3-dimensional Cartesian station coordinates (SCS) for epoch 1997.0.

Realization of the IERS Terrestrial Reference System (ITRS) from 2004. Replaces ITRF97 (code 6655). Replaced by ITRF2005 (code 6896).

1.8.342 International Terrestrial Reference Frame 2005

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6896')
```

Origin at geocentre, originally orientated to the BIH Terrestrial System at epoch 1984.0 then adjusted to ensure zero net rotation to earth's overall tectonic motion. Defined by time series of Cartesian station coordinates for epoch 2000.0.

Realization of the IERS Terrestrial Reference System (ITRS) from September 2007. Replaces ITRF2000 (code 6656). Replaced by ITRF2008 (datum code 1061).

1.8.343 International Terrestrial Reference Frame 2008

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1061')
```

Origin at geocentre. The ITRF2008 origin is defined in such a way that there are null translation parameters at epoch 2005.0 and null translation rates between the ITRF2008 and the ILRS SLR time series.

Realization of the IERS Terrestrial Reference System (ITRS) from 2012. Replaces ITRF2005 (code 6896).

1.8.344 International Terrestrial Reference Frame 2014

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_2014)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1165')
```

Origin at geocentre. Origin = ILRS SLR long-term solution at epoch 2010.0. Zero scale and scale rate between ITRF2014 and the average of VLBI and SLR scales/rates. Orientation = ITRF2008@ 2010.0 with zero rotation rates between the ITRF2014 and ITRF2008.

Realization of the IERS Terrestrial Reference System (ITRS). Replaces ITRF2008 (datum code 1061) from January 2016. Replaced by ITRF2020 (datum code 1322) from April 2022.

1.8.345 International Terrestrial Reference Frame 2020

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_INTERNATIONAL_TERRESTRIAL_REFERENCE_FRAME_2020)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1322')
```

Origin at geocentre. Origin = ILRS SLR long-term solution at epoch 2015.0. Zero scale and scale rate between ITRF2020 and the average of VLBI and SLR scales/rates. Orientation = ITRF2014@ 2015.0 with zero rotation rates between the ITRF2020 and ITRF2014.

Realization of the IERS Terrestrial Reference System (ITRS). Replaces ITRF2014 (datum code 1165) from April 2022.

1.8.346 Iraq-Kuwait Boundary Datum 1992

Type: Geodetic
Extent: Iraq - Kuwait boundary

```
Datum::fromSRID(Datum::EPSG_IRAQ_KUWAIT_BOUNDARY_DATUM_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6667')
```

Four stations established between September and December 1991 determined by GPS and Doppler observations.

1.8.347 Iraqi Geospatial Reference System

Type: Geodetic
Extent: Iraq - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_IRAQI_GEOSPATIAL_REFERENCE_SYSTEM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1029')
```

ITRF2000 at epoch 1997.0

1.8.348 Islands Net 1993

Type: Geodetic
Extent: Iceland - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ISLANDS_NET_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6659')
```

ITRF93 at epoch 1993.6.

Replaced by ISN2004 (datum code 1060).

1.8.349 Islands Net 2004

Type: Geodetic
Extent: Iceland - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ISLANDS_NET_2004)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1060')
```

ITRF2000 at epoch 2004.6.

Replaces ISN93 (datum code 6659). Replaced by ISN2016 (datum code 1087).

1.8.350 Islands Net 2016

Type: Geodetic
Extent: Iceland - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ISLANDS_NET_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1187')
```

ITRF2014 at epoch 2016.5.

Replaces ISN2004 from September 2017.

1.8.351 Israel 1993

Type: Geodetic
Extent: Israel - onshore; Palestine Territory - onshore

```
Datum::fromSRID(Datum::EPSG_ISRAEL_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6141')
```

Fundamental point: Latitude: 31°44'03.817"N, longitude: 35°12'16.261"E (of Greenwich).

Replaces Palestine 1923 (datum code 6281). Replaced by IGD05 (datum code 1143).

1.8.352 Israeli Geodetic Datum 2005

Type: Geodetic
Extent: Israel - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ISRAELI_GEODETIC_DATUM_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1114')
```

Defined by coordinates of 13 Active Positioning Network (APN) stations in ITRF2000 at epoch 2004.75. A further five APN stations were added in 2006.

Replaces Israel 1993 (datum code 6141). Replaced by IGD05/12 (datum code 1115).

1.8.353 Israeli Geodetic Datum 2005(2012)

Type: Geodetic
Extent: Israel - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ISRAELI_GEODETIC_DATUM_2005_2012)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1115')
```

Datum updated in 2012 with four APN stations removed from definition. Coordinate epoch remains ITRF2000 at epoch 2004.75.

Replaces IGD05 (datum code 1114).

1.8.354 Istituto Geografico Militaire 1995

Type: Geodetic
Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Datum::fromSRID(Datum::EPSG_ISTITUTO_GEOGRAFICO_MILITAIRE_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6670')
```

Densification of ETRF89 in Italy. Network of 1296 points observed 1992-1995 adjusted in 1996 constrained to 9 ETRF89 points at epoch 1989.0. By April 2021 the framework was composed of 3104 points of the fundamental network and 3819 densification points.

Replaced by RDN2008 (datum code 1132) from 2011-11-10.

1.8.355 Iwo Jima 1945

Type: Geodetic
Extent: Japan - Iwo Jima island

```
Datum::fromSRID(Datum::EPSG_IWO_JIMA_1945)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6709')
```

Fundamental point: Beacon “E”.

1.8.356 Jamaica 1875

Type: Geodetic
Extent: Jamaica - onshore

```
Datum::fromSRID(Datum::EPSG_JAMAICA_1875)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6241')
```

Fundamental point: Fort Charles Flagstaff. Latitude: 17°55’55.800”N, longitude: 76°56’37.260”W (of Greenwich).

1.8.357 Jamaica 1969

Type: Geodetic
Extent: Jamaica - onshore

```
Datum::fromSRID(Datum::EPSG_JAMAICA_1969)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6242')
```

Fundamental point: Fort Charles Flagstaff. Latitude: 17°55'55.800"N, longitude: 76°56'37.260"W (of Greenwich).

1.8.358 Jamaica 2001

Type: Geodetic
Extent: Jamaica - onshore and offshore. Includes Morant Cays and Pedro Cays

```
Datum::fromSRID(Datum::EPSG_JAMAICA_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6758')
```

Aligned to WGS 84.

1.8.359 Jamestown 1971

Type: Vertical
Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Datum::fromSRID(Datum::EPSG_JAMESTOWN_1971)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1175')
```

MSL at Jamestown 1971 defined through elevation of triangulation station Astro DOS 71/4 Ladder Hill Fort being 267.858 metres above MSL.

1.8.360 Japanese Geodetic Datum 2000

Type: Geodetic
Extent: Japan - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_JAPANESE_GEODETIC_DATUM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6612')
```

ITRF94 at epoch 1997.0. Fundamental point: Tokyo-Taisho, latitude: 35°39'29.1572"N, longitude: 139°44'28.8759"E (of Greenwich).

Instigated under amendment to the Japanese Surveying Law with effect from April 2002. Replaces Tokyo datum (code 6301). Replaced by JGD2011 (datum code 1128) with effect from 21st October 2011.

1.8.361 Japanese Geodetic Datum 2000 (vertical)

Type: Vertical
Extent: Japan - onshore mainland - Hokkaido, Honshu, Shikoku, Kyushu

```
Datum::fromSRID(Datum::EPSG_JAPANESE_GEODETIC_DATUM_2000_VERTICAL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1130')
```

24.4140 metres above mean sea level Tokyo Bay.

Orthometric heights. Replaces JSLD69 and JSLD72 with effect from April 2002. Replaced by JGD2011 (vertical) (datum code 1131) with effect from 21st October 2011.

1.8.362 Japanese Geodetic Datum 2011

Type: Geodetic
Extent: Japan - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_JAPANESE_GEODETIC_DATUM_2011)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1128')
```

ITRF94 at epoch 1997.0 except for northern Honshu area impacted by 2011 Tohoku earthquake which is ITRF2008 at epoch 2011.395. Fundamental point: Tokyo-Taisho, latitude: 35°39'29.1572"N, longitude: 139°44'28.8869"E (of Greenwich).

Instigated under amendment to the Japanese Surveying Law with effect from 21st October 2011. Replaces JGD2000 (datum code 6612).

1.8.363 Japanese Geodetic Datum 2011 (vertical)

Type: Vertical
Extent: Japan - onshore mainland - Hokkaido, Honshu, Shikoku, Kyushu

```
Datum::fromSRID(Datum::EPSG_JAPANESE_GEODETIC_DATUM_2011_VERTICAL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1131')
```

24.3900 metres above mean sea level Tokyo Bay.

Orthometric heights. Replaces JGD2000 (vertical) (datum code 1130) with effect from 21st October 2011.

1.8.364 Japanese Standard Levelling Datum 1969

Type: Vertical
Extent: Japan - onshore mainland - Honshu, Shikoku, Kyushu

```
Datum::fromSRID(Datum::EPSG_JAPANESE_STANDARD_LEVELLING_DATUM_1969)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5122')
```

24.4140 metres above mean sea level Tokyo Bay.

Normal-orthometric heights. Replaces JSLD49. Replaced by JGD2000 (vertical) (datum code 1130) from April 2002.

1.8.365 Japanese Standard Levelling Datum 1972

Type: Vertical
Extent: Japan - onshore mainland - Hokkaido

```
Datum::fromSRID(Datum::EPSG_JAPANESE_STANDARD_LEVELLING_DATUM_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1129')
```

Mean sea level Oshoro 1963-72.

Normal-orthometric heights. Replaced by JGD2000 (vertical) (datum code 1130) with effect from April 2002.

1.8.366 Johnston Island 1961

Type: Geodetic
Extent: United States Minor Outlying Islands - Johnston Island

```
Datum::fromSRID(Datum::EPSG_JOHNSTON_ISLAND_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6725')
```

1.8.367 Jouik 1961

Type: Geodetic
Extent: Mauritania - coastal area north of Cape Timiris

```
Datum::fromSRID(Datum::EPSG_JOUIK_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6679')
```

Replaced by Mauritania 1999 (datum code 6702).

1.8.368 KOC Construction Datum

Type: Vertical
Extent: Kuwait - onshore

```
Datum::fromSRID(Datum::EPSG_KOC_CONSTRUCTION_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5188')
```

Approximately 1.52m below MSL. Created for the construction of the Mina al Ahmadi refinery.

1.8.369 KOC Well Datum

Type: Vertical
Extent: Kuwait - onshore

```
Datum::fromSRID(Datum::EPSG_KOC_WELL_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5187')
```

Approximately 3.22m above MSL.

1.8.370 Kalianpur 1880

Type: Geodetic
Extent: Bangladesh - onshore; India - mainland onshore; Myanmar (Burma) - onshore; Pakistan - onshore

```
Datum::fromSRID(Datum::EPSG_KALIANPUR_1880)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6243')
```

Fundamental point: Kalianpur. Latitude: 24°07'11.260"N, longitude: 77°39'17.570"E (of Greenwich).

Includes 1916 extension into Burma (Myanmar). Replaced by 1937 adjustment.

1.8.371 Kalianpur 1937

Type: Geodetic
Extent: Bangladesh - onshore; India - mainland onshore; Myanmar - onshore and Moattama area offshore; Pakistan - onshore

```
Datum::fromSRID(Datum::EPSG_KALIANPUR_1937)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6144')
```

Fundamental point: Kalianpur. Latitude: 24° 07'11.260"N, longitude: 77°39'17.570"E (of Greenwich).

Replaces 1880 adjustment except for topographic mapping. Replaced in Bangladesh and Pakistan by 1962 metrication conversion and in India by 1975 metrication conversion.

1.8.372 Kalianpur 1962

Type: Geodetic
Extent: Pakistan - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_KALIANPUR_1962)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6145')
```

Fundamental point: Kalianpur. Latitude: 24° 07'11.260"N, longitude: 77°39'17.570"E (of Greenwich).

1937 adjustment rescaled by ratio metric conversions of Indian foot (1937) to Indian foot (1962).

1.8.373 Kalianpur 1975

Type: Geodetic
Extent: India - mainland onshore

```
Datum::fromSRID(Datum::EPSG_KALIANPUR_1975)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6146')
```

Fundamental point: Kalianpur. Latitude: 24° 07'11.260"N, longitude: 77°39'17.570"E (of Greenwich).

1937 adjustment rescaled by ratio metric conversions of Indian foot (1937) to Indian foot (1975).

1.8.374 Kandawala

Type: Geodetic
Extent: Sri Lanka - onshore

```
Datum::fromSRID(Datum::EPSG_KANDAWALA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6244')
```

Fundamental point: Kandawala. Latitude: 7°14'06.838"N, longitude: 79°52'36.670"E.

1.8.375 Karbala 1979

Type: Geodetic
Extent: Iraq - onshore

```
Datum::fromSRID(Datum::EPSG_KARBALA_1979)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6743')
```

Fundamental point: Karbala. Latitude: 32°34'14.4941"N, longitude: 44°00'49.6379"E.

National geodetic network established by Polservice consortium.

1.8.376 Kartastokoordinaattijarjestelma (1966)

Type: Geodetic
Extent: Finland - onshore

```
Datum::fromSRID(Datum::EPSG_KARTASTOKOORDINAATTIJARJESTELMA_1966)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6123')
```

Adjustment with fundamental point SF31 based on ED50 transformed to best fit the older VVJ adjustment.

Adopted in 1970.

1.8.377 Kasai 1953

Type: Geodetic
Extent: The Democratic Republic of the Congo (Zaire) - Kasai - south of 5°S and east of 21°30'E

```
Datum::fromSRID(Datum::EPSG_KASAI_1953)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6696')
```

Two stations of the Katanga triangulation with ellipsoid change applied: Kabila, latitude 6°58'34.023"S, longitude 23°50'24.028"E (of Greenwich); and Gandajika NW base, latitude 6°45'01.057"S, longitude 23°57'03.038"E (of Greenwich).

Replaced by IGC 1962 Arc of the 6th Parallel South.

1.8.378 Katanga 1955

Type: Geodetic
Extent: The Democratic Republic of the Congo (Zaire) - Katanga

```
Datum::fromSRID(Datum::EPSG_KATANGA_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6695')
```

Fundamental point: Tshinsenda A. Latitude: 12°30'31.568"S, longitude: 28°01'02.971"E (of Greenwich).

Replaces earlier adjustments.

1.8.379 Kertau (RSO)

Type: Geodetic
Extent: Malaysia - West Malaysia; Singapore

```
Datum::fromSRID(Datum::EPSG_KERTAU_RSO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6751')
```

Adopts metric conversion of 0.914398 metres per yard exactly. This is a truncation of the Sears 1922 ratio.

1.8.380 Kertau 1968

Type: Geodetic
Extent: Malaysia - West Malaysia onshore and offshore east coast; Singapore - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_KERTAU_1968)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6245')
```

Fundamental point: Kertau. Latitude: 3°27'50.710"N, longitude: 102°37'24.550"E (of Greenwich).

Replaces MRT48 and earlier adjustments. Adopts metric conversion of 39.370113 inches per metre. Not used for 1969 metrication of RSO grid - see Kertau (RSO) (code 6751).

1.8.381 Kingdom of Saudi Arabia Geodetic Reference Frame 2017

Type: Geodetic
Extent: Saudi Arabia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_KINGDOM_OF_SAUDI_ARABIA_GEODETIC_REFERENCE_FRAME_2017)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1268')
```

ITRF2014 at epoch 2017.00.

Realized by 333 GNSS stations in Saudi Arabia aligned to ITRF2014 through core network of 46 stations adjusted to 15 IGS stations.

1.8.382 Kingdom of Saudi Arabia Vertical Reference Frame Jeddah 2014

Type: Vertical
Extent: Saudi Arabia - onshore

```
Datum::fromSRID(Datum::EPSG_KINGDOM_OF_SAUDI_ARABIA_VERTICAL_REFERENCE_FRAME_JEDDAH_2014)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1269')
```

Jeddah tide gauge bench mark TGBM-B height of 1.7446m at 2014.75.

1.8.383 Kiunga

Type: Vertical
Extent: Papua New Guinea - onshore south of 5°S and west of 144°E

```
Datum::fromSRID(Datum::EPSG_KIUNGA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1151')
```

PSM 9465 at Kiunga Airport. Propagated through bilinear interpolation of EGM2008 geoid model (transformation code 3858) reduced to PSM 9465 by offset of -3.0m.

1.8.384 Korean Datum 1985

Type: Geodetic
Extent: Republic of Korea (South Korea) - onshore

```
Datum::fromSRID(Datum::EPSG_KOREAN_DATUM_1985)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6162')
```

Fundamental point: Suwon. Latitude 37°16'31.9034"N, longitude 127°03'05.1451"E of Greenwich. This is consistent with the Tokyo 1918 datum latitude and longitude.

Replaces Tokyo 1918 (datum code 6301). Replaced by KGD2002 (datum code 6737).

1.8.385 Korean Datum 1995

Type: Geodetic
Extent: Republic of Korea (South Korea) - onshore

```
Datum::fromSRID(Datum::EPSG_KOREAN_DATUM_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6166')
```

1.8.386 Korean Geodetic Datum 2002

Type: Geodetic
Extent: Republic of Korea (South Korea) - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_KOREAN_GEODETIC_DATUM_2002)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6737')
```

ITRF2000 at epoch 2002.0.

KGD2002 is geocentric.

1.8.387 Korean Vertical Datum 1964

Type: Vertical
Extent: Republic of Korea (South Korea) - onshore

```
Datum::fromSRID(Datum::EPSG_KOREAN_VERTICAL_DATUM_1964)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1049')
```

MSL 1913-1916 at Incheon Bay for mainland. For far offshore islands the MSL is determined through a local tide gauge.

1.8.388 Kosovo Reference System 2001

Type: Geodetic
Extent: Kosovo

```
Datum::fromSRID(Datum::EPSG_KOSOVO_REFERENCE_SYSTEM_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1251')
```

Densification of ETRF97 in Kosovo at epoch 2001.25.

First order network of 32 stations connected to 8 EUREF Permanant Network (EPN) stations observed march-April 2001. Densified in 2012.

1.8.389 Kousseri

Type: Geodetic
Extent: Cameroon - N'Djamena area

```
Datum::fromSRID(Datum::EPSG_KOUSSERI)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6198')
```

IGN astronomical station Dabanga; 11°55'05.9"N 14°38'40.8"E (of Greenwich).

1.8.390 Kumul 34

Type: Vertical
Extent: Papua New Guinea - Papuan fold and thrust belt

```
Datum::fromSRID(Datum::EPSG_KUMUL_34)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1150')
```

Kumul Platform Station 34. Propagated through bilinear interpolation of EGM96 geoid model (transformation code 10084) reduced to Kumul 34 by offset of -0.87m.

1.8.391 Kusaie 1951

Type: Geodetic
Extent: Federated States of Micronesia - Kosrae (Kusaie)

```
Datum::fromSRID(Datum::EPSG_KUSAIE_1951)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6735')
```

1.8.392 Kuwait Oil Company

Type: Geodetic
Extent: Kuwait - onshore

```
Datum::fromSRID(Datum::EPSG_KUWAIT_OIL_COMPANY)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6246')
```

Fundamental point: K28. Latitude: 29°03'42.348"N, longitude: 48°08'42.558"E (of Greenwich).

1.8.393 Kuwait PWD

Type: Vertical
Extent: Kuwait - onshore

```
Datum::fromSRID(Datum::EPSG_KUWAIT_PWD)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5186')
```

Mean Low Low Water (MLLW) at Kuwait City.

Approximately 1.03m below MSL.

1.8.394 Kuwait Utility

Type: Geodetic
Extent: Kuwait - Kuwait City

```
Datum::fromSRID(Datum::EPSG_KUWAIT_UTILITY)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6319')
```

1.8.395 Kyrgyzstan Geodetic Datum 2006

Type: Geodetic
Extent: Kyrgyzstan

```
Datum::fromSRID(Datum::EPSG_KYRGYZSTAN_GEODETIC_DATUM_2006)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1160')
```

6 stations of the Kyrgyzstan zero-order network tied to ITRF2005 at epoch 2006.70.

The accuracy in the connection to ITRF2005 is estimated to be 5 mm in horizontal and 10-20 mm in height (95% confidence).

1.8.396 La Canoa

Type: Geodetic
Extent: Venezuela - onshore

```
Datum::fromSRID(Datum::EPSG_LA_CANOA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6247')
```

Fundamental point: La Canoa. Latitude: 8°34'17.170"N, longitude: 63°51'34.880"W (of Greenwich).

Origin and network incorporated within PSAD56 (datum code 6248).

1.8.397 La Gomera

Type: Vertical
Extent: Spain - Canary Islands - La Gomera onshore

```
Datum::fromSRID(Datum::EPSG_LA_GOMERA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1282')
```

Mean Sea Level at San Sebastian de la Gomera harbour.

Orthometric heights.

1.8.398 La Palma

Type: Vertical
Extent: Spain - Canary Islands - La Palma onshore

```
Datum::fromSRID(Datum::EPSG_LA_PALMA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1283')
```

Mean Sea Level at Santa Cruz de la Palma harbour in 1997.

Orthometric heights.

1.8.399 Lagos 1955

Type: Vertical
Extent: Nigeria - onshore

```
Datum::fromSRID(Datum::EPSG_LAGOS_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5194')
```

Mean sea level at Lagos, 1912-1928.

1.8.400 Lake

Type: Geodetic
Extent: Venezuela - Lake Maracaibo area, onshore and offshore in lake

```
Datum::fromSRID(Datum::EPSG_LAKE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6249')
```

Fundamental point: Maracaibo Cathedral. Latitude: 10°38'34.678"N, longitude: 71°36'20.224"W (of Greenwich).

1.8.401 Landeshohennetz 1995

Type: Vertical
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_LANDESHOHENNETZ_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5128')
```

Origin at Repere Pierre du Niton (RPN) defined as 373.6 metres above msl. This value derived from msl at Marseille in 1897 through the French Lallemand network.

Orthometric heights. For scientific purposes only, replaces LN02.

1.8.402 Landesnivellement 1902

Type: Vertical
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_LANDESNIVELLEMENT_1902)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5127')
```

Origin at Repere Pierre du Niton (RPN) defined as 373.6 metres above msl. This value derived from msl at Marseille in 1897 through the French Lallemand network.

Levelling observations not corrected for gravity field. For scientific purposes, replaced by LHHN95.

1.8.403 Landshaedarkerfi Islands 2004

Type: Vertical
Extent: Iceland - onshore

```
Datum::fromSRID(Datum::EPSG_LANDSHAEDARKERFI_ISLANDS_2004)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1190')
```

Adjustment is referenced to mean sea level at Reykjavík epoch 2004.6.

1.8.404 Lanzarote

Type: Vertical
Extent: Spain - Canary Islands - Lanzarote onshore

```
Datum::fromSRID(Datum::EPSG_LANZAROTE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1278')
```

Mean Sea Level at Naos harbour, Arrecife, between 1994 and 1995.

Orthometric heights.

1.8.405 Lao 1993

Type: Geodetic
Extent: Laos

```
Datum::fromSRID(Datum::EPSG_LAO_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6677')
```

Fundamental point: Lao 1982 coordinates of Pakxa pillar. Latitude: 18°23'57.0056"N, longitude: 103°38'41.8020"E (of Greenwich). Orientation parallel with WGS 84.

Replaces Vientiane 1982. Replaced by Lao 1997

1.8.406 Lao National Datum 1997

Type: Geodetic
Extent: Laos

```
Datum::fromSRID(Datum::EPSG_LAO_NATIONAL_DATUM_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6678')
```

Fundamental point: Vientiane (Nongteng) Astro Pillar. Latitude: 18°01'31.3480"N, longitude: 102°30'57.1376"E (of Greenwich).

Replaces Lao 1993.

1.8.407 Latvian Height System 2000

Type: Vertical
Extent: Latvia - onshore

```
Datum::fromSRID(Datum::EPSG_LATVIAN_HEIGHT_SYSTEM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1162')
```

Latvian realisation of EVRF2007. Observed from 2000-2010 and reduced to epoch 2000.5 using empirical land uplift model of Latvia. EVRF2007 heights of 16 points around Latvia held fixed.

Uses Normal heights.

1.8.408 Latvian coordinate system 2020

Type: Geodetic
Extent: Latvia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LATVIAN_COORDINATE_SYSTEM_2020)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1356')
```

Aligned with ETRF2014 at epoch 2020.28. Derived at 5 well-distributed base stations of the Latvian GNSS permanent network (LATREF) in IGb14, transformed to ETRF2014 using EUREF parameters (CT code 8366).

LKS-2020 is the second national realization of ETRS89. Replaces LKS-92 (datum code 6661).

1.8.409 Latvian geodetic coordinate system 1992

Type: Geodetic
Extent: Latvia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LATVIAN_GEODETIC_COORDINATE_SYSTEM_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6661')
```

Constrained to 4 ETRS89 points in Latvia from the EUREF Baltic 1992 campaign.

Densification of ETRS89 during the 1992 Baltic campaign. Replaced by Latvian coordinate system 2020 (datum code 1356).

1.8.410 Le Pouce 1934

Type: Geodetic
Extent: Mauritius - mainland onshore

```
Datum::fromSRID(Datum::EPSG_LE_POUCE_1934)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6699')
```

Fundamental point: Le Pouce. Latitude: 20°11’42.25”S, longitude: 57°31’18.58”E (of Greenwich).

1.8.411 Leigon

Type: Geodetic
Extent: Ghana - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LEIGON)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6250')
```

Fundamental point: GCS Station 121, Leigon. Latitude: 5°38'52.27"N, longitude: 0°11'46.08"W (of Greenwich).

Replaced Accra datum (code 6168) from 1978. Coordinates at Leigon fundamental point defined as Accra datum values for that point.

1.8.412 Lerwick

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Shetland Islands onshore

```
Datum::fromSRID(Datum::EPSG_LERWICK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5140')
```

Mean Sea Level at Lerwick 1979 correlated to pre-1900. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Orthometric heights.

1.8.413 Liberia 1964

Type: Geodetic
Extent: Liberia - onshore

```
Datum::fromSRID(Datum::EPSG_LIBERIA_1964)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6251')
```

Fundamental point: Robertsfield. Latitude: 6°13'53.02"N, longitude: 10°21'35.44"W (of Greenwich).

1.8.414 Libyan Geodetic Datum 2006

Type: Geodetic
Extent: Libya - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LIBYAN_GEODETIC_DATUM_2006)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6754')
```

5 stations tied to ITRF2000 through 8 days of continuous observations in May 2006.

Replaces ELD79.

1.8.415 Lisbon 1890

Type: Geodetic
Extent: Portugal - mainland - onshore

```
Datum::fromSRID(Datum::EPSG_LISBON_1890)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6666')
```

Fundamental point: Castelo Sao Jorge, Lisbon. Latitude: 38°42'43.631"N, longitude: 9°07'54.862"W of Greenwich.

Replaced by Lisbon 1937 adjustment (which uses International 1924 ellipsoid).

1.8.416 Lisbon 1890 (Lisbon)

Type: Geodetic
Extent: Portugal - mainland - onshore

```
Datum::fromSRID(Datum::EPSG_LISBON_1890_LISBON)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6904')
```

Fundamental point: Castelo Sao Jorge, Lisbon. Latitude: 38°42'43.631"N, longitude: 0°E (of Lisbon).

Replaced by Lisbon 1937 adjustment (which uses International 1924 ellipsoid).

1.8.417 Lisbon 1937

Type: Geodetic
Extent: Portugal - mainland - onshore

```
Datum::fromSRID(Datum::EPSG_LISBON_1937)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6207')
```

Fundamental point: Castelo Sao Jorge, Lisbon. Latitude: 38°42'43.631"N, longitude: 9°07'54.862"W (of Greenwich).

Replaces Lisbon 1890 adjustment (which used Bessel 1841 ellipsoid).

1.8.418 Lisbon 1937 (Lisbon)

Type: Geodetic
Extent: Portugal - mainland - onshore

```
Datum::fromSRID(Datum::EPSG_LISBON_1937_LISBON)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6803')
```

Fundamental point: Castelo Sao Jorge, Lisbon. Latitude: 38°42'43.631"N, longitude: 0°E (of Lisbon).

Replaces Lisbon 1890 adjustment (which used Bessel 1841 ellipsoid).

1.8.419 Lithuania 1994 (ETRS89)

Type: Geodetic
Extent: Lithuania - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LITHUANIA_1994_ETRS89)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6126')
```

Constrained to 4 ETRS89 points in Lithuania from the EUREF Baltic 1992 campaign.

Densification of ETRS89 during the 1992 Baltic campaign.

1.8.420 Lithuanian Height System 2007

Type: Vertical
Extent: Lithuania - onshore

```
Datum::fromSRID(Datum::EPSG_LITHUANIAN_HEIGHT_SYSTEM_2007)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1299')
```

Lithuanian realisation of EVRF2007. EVRF2007 heights of 10 points in Lithuania held fixed.

Uses Normal heights.

1.8.421 Little Cayman Vertical Datum 1961

Type: Vertical
Extent: Cayman Islands - Little Cayman

```
Datum::fromSRID(Datum::EPSG_LITTLE_CAYMAN_VERTICAL_DATUM_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1098')
```

1.8.422 Local Tidal Datum at Pago Pago 2020

Type: Vertical
Extent: American Samoa - Tutuila island

```
Datum::fromSRID(Datum::EPSG_LOCAL_TIDAL_DATUM_AT_PAGO_PAGO_2020)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1302')
```

MSL at Pago Pago 2011–2016.

Normal-orthometric heights. Replaces ASVD02 (datum code 1125) in March 2020 after the ASVD02 benchmarks were destroyed by earthquake activity.

1.8.423 Locodjo 1965

Type: Geodetic
Extent: Côte d'Ivoire (Ivory Coast) - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LOCODJO_1965)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6142')
```

Fundamental point: T5 Banco. Latitude: 5°18'50.5"N, longitude: 4°02'05.1"W (of Greenwich).

1.8.424 Loma Quintana

Type: Geodetic
Extent: Venezuela - onshore north of approximately 7°45'N

```
Datum::fromSRID(Datum::EPSG_LOMA_QUINTANA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6288')
```

Fundamental point: Loma Quintana.

Replaced by La Canoa (code 6247).

1.8.425 Lome

Type: Geodetic
Extent: Togo - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_LOME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6252')
```

1.8.426 Low Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_LOW_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1093')
```

Not specific to any location or epoch.

The lowest level reached by the water surface in one tidal cycle. When used in inland (non-tidal) waters it is generally defined as a level which the daily mean water level would fall below less than 5% of the time. On a river it is a sloping surface.

1.8.427 Lower Low Water Large Tide

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_LOWER_LOW_WATER_LARGE_TIDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1083')
```

Not specific to any location or epoch.

The average of the lowest low waters, one from each of 19 years of observations.

1.8.428 Lowest Astronomical Tide

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_LOWEST_ASTRONOMICAL_TIDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1080')
```

Not specific to any location or epoch.

The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.

1.8.429 Lowest Astronomical Tide Netherlands

Type: Vertical
Extent: Netherlands - offshore North Sea and nearshore

```
Datum::fromSRID(Datum::EPSG_LOWEST_ASTRONOMICAL_TIDE_NETHERLANDS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1290')
```

Surface defined through the nllat hydroid model applied to ETRS89.

The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.

1.8.430 Luxembourg Reference Frame

Type: Geodetic
Extent: Luxembourg

```
Datum::fromSRID(Datum::EPSG_LUXEMBOURG_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6181')
```

Fundamental point of 1930 triangulation: northern station of Habay-la-Neuve baseline in Belgium. Latitude: 49°43'24.408"N, longitude: 5°38'22.470"E (of Greenwich). Since 2006 LUREF has been realized by GNSS station positions and transformation from ETRF.

The transformation from ETRF 2000 first defining LUREF in 2006 has been recomputed in 2014 and 2020.

1.8.431 Luzon 1911

Type: Geodetic
Extent: Philippines - onshore

```
Datum::fromSRID(Datum::EPSG_LUZON_1911)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6253')
```

Fundamental point: Balacan. Latitude: 13°33'41.000"N, longitude: 121°52'03.000"E (of Greenwich).

Replaced by Philippine Reference system of 1992 (datum code 6683).

1.8.432 Lyon Turin Ferroviaire 2004

Type: Geodetic
Extent: France and Italy - on or related to the rail route from Lyon to Turin

```
Datum::fromSRID(Datum::EPSG_LYON_TURIN_FERROVIAIRE_2004)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1295')
```

Densification of ETRS89 realised through network of 40 stations adjusted to 7 EUREF reference stations in ETRF2000@2002.0.

1.8.433 Lyttelton 1937

Type: Vertical
Extent: New Zealand - South Island - between approximately 41°20'S and 45°S - Lyttleton vertical CRS area

```
Datum::fromSRID(Datum::EPSG_LYTTELTON_1937)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5161')
```

MSL at Lyttelton harbour over 9 years between 1918 and 1933.

1.8.434 M'poraloko

Type: Geodetic
Extent: Gabon - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MPORALOKO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6266')
```

1.8.435 MALS09 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from London (Marylebone) to Leamington Spa

```
Datum::fromSRID(Datum::EPSG_MALS09_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1343')
```

Defined through the application of the MALS09 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS MALS09-IRF in the emulation of the MALS09 Snake map projection.

1.8.436 MGI 1901

Type: Geodetic
Extent: Bosnia and Herzegovina; Croatia - onshore; Kosovo; Montenegro - onshore; North Macedonia; Serbia; Slovenia - onshore

```
Datum::fromSRID(Datum::EPSG_MGI_1901)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1031')
```

Fundamental point: Hermannskogel. Latitude: 48°16'15.29"N, longitude: 16°17'55.04"E (of Greenwich).

The longitude of the datum origin equates to the Albrecht 1902 value for the Ferro meridian of 17°39'46.02" west of Greenwich. Densified in 1948.

1.8.437 MML07 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the Midland Mainline rail route from Sheffield to London

```
Datum::fromSRID(Datum::EPSG_MML07_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1271')
```

Defined through the application of the MML07 NTv2 transformation (code 9369) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2020 to support intermediate CRS "MML07-IRF" in the emulation of the MML07 Snake map projection.

1.8.438 MOLDOR11 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Ordsall Lane and the Hope Valley to Dore Junction

```
Datum::fromSRID(Datum::EPSG_MOLDOR11_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1315')
```

Defined through the application of the MOLDOR11 NTv2 transformation (code 9878) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2021 to support intermediate CRS "MOLDOR11-IRF" in the emulation of the MOLDOR11 Snake map projection.

1.8.439 MOLDREF99

Type: Geodetic
Extent: Moldova

```
Datum::fromSRID(Datum::EPSG_MOLDREF99)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1032')
```

Densification of ETRS89.

1.8.440 MOMRA Terrestrial Reference Frame 2000

Type: Geodetic
Extent: Saudi Arabia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MOMRA_TERRESTRIAL_REFERENCE_FRAME_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1218')
```

ITRF2000 at epoch 2004.00.

13 CORS Fiducial Stations linked to 7 IGS stations by 10-day long GPS survey.

1.8.441 MOMRA Vertical Geodetic Control

Type: Vertical
Extent: Saudi Arabia - onshore

```
Datum::fromSRID(Datum::EPSG_MOMRA_VERTICAL_GEODETIC_CONTROL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1219')
```

Mean sea level Jeddah 1969.

1.8.442 MOP78

Type: Geodetic
Extent: Wallis and Futuna - Wallis

```
Datum::fromSRID(Datum::EPSG_MOP78)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6639')
```

1.8.443 MRH21 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to Midland Rail Hub, covering routes through Cardiff, Bristol, Gloucester, Derby, Birmingham, Leicester, and Lincoln

```
Datum::fromSRID(Datum::EPSG_MRH21_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1314')
```

Defined through the application of the MRH21 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2021 to support intermediate CRS “MRH21-IRF” in the emulation of the MRH21 Snake map projection.

1.8.444 MWC18 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Manchester via Wigan and Liverpool to Chester

```
Datum::fromSRID(Datum::EPSG_MWC18_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1324')
```

Defined through the application of the MWC18 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS MWC18-IRF in the emulation of the MWC18 Snake map projection.

1.8.445 Macao 1920

Type: Geodetic
Extent: China - Macao - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MACAO_1920)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1207')
```

Fundamental point: Avenida Conselheiro Borja base A, later transferred to Monte da Barra, latitude 22°11’03.139”N, longitude 113°31’43.625”E (of Greenwich).

Replaces Macao 1907. In 1955 an adjustment made in 1940 was assessed to have unresolvable conflicts and the 1920 adjustment was reinstated.

1.8.446 Macao Geodetic Datum 2008

Type: Geodetic
Extent: China - Macao - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MACAO_GEODETIC_DATUM_2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1208')
```

ITRF2005 at epoch 2008.38.

Locally sometimes referred to as ITRF2005, this is not strictly correct as it applies only at epoch 2008.38 and ignores subsequent tectonic plate motion.

1.8.447 Macao Height Datum

Type: Vertical
Extent: China - Macao - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MACAO_HEIGHT_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1210')
```

Mean sea level Ma Kau Seak 1925-1964.

1.8.448 Madrid 1870 (Madrid)

Type: Geodetic
Extent: Spain - mainland onshore

```
Datum::fromSRID(Datum::EPSG_MADRID_1870_MADRID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6903')
```

Fundamental point: Retiro observatory, Madrid.

Replaced by ED50.

1.8.449 Madzansua

Type: Geodetic
Extent: Mozambique - west - Tete province

```
Datum::fromSRID(Datum::EPSG_MADZANSUA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6128')
```

Fundamental point: Madzansua.

Replaced by transformation to Tete datum (datum code 6127).

1.8.450 Mahe 1971

Type: Geodetic
Extent: Seychelles - Mahe Island

```
Datum::fromSRID(Datum::EPSG_MAHE_1971)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6256')
```

Fundamental point: Station SITE. Latitude: 4°40'14.644"S, longitude: 55°28'44.488"E (of Greenwich).

South East Island 1943 (datum code 1138) used for topographic mapping, cadastral and hydrographic survey.

1.8.451 Makassar

Type: Geodetic
Extent: Indonesia - south west Sulawesi

```
Datum::fromSRID(Datum::EPSG_MAKASSAR)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6257')
```

Fundamental point: station P1, Moncongloe. Latitude: 5°08'41.42"S, long 119°24'14.94"E (of Greenwich).

1.8.452 Makassar (Jakarta)

Type: Geodetic
Extent: Indonesia - south west Sulawesi

```
Datum::fromSRID(Datum::EPSG_MAKASSAR_JAKARTA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6804')
```

Fundamental point: station P1, Moncongloe. Latitude 5°08'41.42"S, longitude 12°35'47.15"E (of Jakarta).

1.8.453 Malin Head

Type: Vertical
Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_MALIN_HEAD)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5130')
```

Mean sea level between January 1960 and December 1969. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Orthometric heights.

1.8.454 Mallorca

Type: Vertical
Extent: Spain - Balearic Islands - Mallorca onshore

```
Datum::fromSRID(Datum::EPSG_MALLORCA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1275')
```

Mean Sea Level at Palma de Mallorca harbour between April 1997 and December 2006.

Orthometric heights.

1.8.455 Malongo 1987

Type: Geodetic
Extent: Angola (Cabinda) - offshore; The Democratic Republic of the Congo (Zaire) - offshore

```
Datum::fromSRID(Datum::EPSG_MALONGO_1987)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6259')
```

Fundamental point: Station Y at Malongo base camp. Latitude: 5°23'30.810"S, longitude: 12°12'01.590"E (of Greenwich).

Replaced Mhast (offshore) (code 6705) in 1987. Origin coordinates constrained to those of Mhast (offshore) but other station coordinates differ. References to "Mhast" since 1987 often should have stated "Malongo 1987".

1.8.456 Manoca 1962

Type: Geodetic
Extent: Cameroon - coastal area

```
Datum::fromSRID(Datum::EPSG_MANOCA_1962)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6193')
```

Reservoir centre at the Manoca tower (“tube Suel”), 3°51’49.896”N, 9°36’49.347”E (of Greenwich).

The intent of the Bukavu 1953 conference was to adopt the Clarke 1880 (RGS) ellipsoid (code 7012) but in practice this datum has used the IGN version. Replaces Douala 1948 (code 6192).

1.8.457 Maputo

Type: Vertical
Extent: Mozambique - onshore

```
Datum::fromSRID(Datum::EPSG_MAPUTO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5121')
```

Mean sea level at Maputo.

1.8.458 Marco Geocentrico Nacional de Referencia

Type: Geodetic
Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Datum::fromSRID(Datum::EPSG_MARCO_GEOCENTRICO_NACIONAL_DE_REFERENCIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6686')
```

Densification of SIRGAS95 (ITRF94 at epoch 1995.4) in Colombia. Bogota observatory coordinates: Latitude: 4°35’46.3215”N, longitude: 74°04’39.0285”W (of Greenwich).

Densification of SIRGAS 1995 within Colombia. Replaces Bogota 1975 (datum code 6218).

1.8.459 Marco Geocentrico Nacional de Referencia 2018

Type: Geodetic
Extent: Colombia - onshore and offshore. Includes San Andres y Providencia, Malpelo Islands, Roncador Bank, Serrana Bank and Serranilla Bank

```
Datum::fromSRID(Datum::EPSG_MARCO_GEOCENTRICO_NACIONAL_DE_REFERENCIA_2018)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1329')
```

Densification of ITRF2014 at epoch 2018.0 in Colombia. Bogota observatory coordinates: Latitude: 4°35'46.33160"N, longitude: 74°04'39.02797"W (of Greenwich).

Active network referenced to ITRF2008@2011.76 and passive network referenced to ITRF94@1995.4 updated to ITRF2014 using IERS transformations EPSG:7790 and EPSG:8075 respectively then VEMOS2009 velocity model applied to bring coordinates to epoch 2018.0.

1.8.460 Marco Geodesico Nacional de Bolivia

Type: Geodetic
Extent: Bolivia

```
Datum::fromSRID(Datum::EPSG_MARCO_GEODESICO_NACIONAL_DE_BOLIVIA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1063')
```

IGS05 (ITRF2005) at epoch 2010.2. Densification of SIRGAS95 network in Bolivia, consisting of 125 passive geodetic stations and 8 continuous recording GPS stations.

Densification of SIRGAS 1995 within Bolivia. Replaces PSAD56 (datum code 6248) in Bolivia.

1.8.461 Marcus Island 1952

Type: Geodetic
Extent: Japan - onshore - Tokyo-to south of 28°N and east of 143°E - Minamitori-shima (Marcus Island)

```
Datum::fromSRID(Datum::EPSG_MARCUS_ISLAND_1952)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6711')
```

Marcus Island Astronomic Station.

1.8.462 Marshall Islands 1960

Type: Geodetic
Extent: Marshall Islands - onshore. Wake atoll onshore

```
Datum::fromSRID(Datum::EPSG_MARSHALL_ISLANDS_1960)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6732')
```

1.8.463 Martinique 1938

Type: Geodetic
Extent: Martinique - onshore

```
Datum::fromSRID(Datum::EPSG_MARTINIQUE_1938)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6625')
```

Fundamental point: Fort Desaix. Latitude: 14°36'54.090"N, longitude: 61°04'04.030"W (of Greenwich).

Replaced by RRAF 1991 (datum code 1047).

1.8.464 Martinique 1955

Type: Vertical
Extent: Martinique - onshore

```
Datum::fromSRID(Datum::EPSG_MARTINIQUE_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5192')
```

Mean sea level at Fort de France 1939. Marker DO-4-II on quay wall with elevation of 1.38m above msl.

Orthometric heights. Replaced by Martinique 1987 (datum code 5154).

1.8.465 Martinique 1987

Type: Vertical
Extent: Martinique - onshore

```
Datum::fromSRID(Datum::EPSG_MARTINIQUE_1987)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5154')
```

Mean sea level 1939 at Fort de France. Origin = marker Nbc2 on rebuilt quay wall with defined elevation of 1.38m above msl. Martinique 1987 height 0.00m is 0.56m above SHOM sounding datum.

Orthometric heights. Replaces Martinique 1955 (datum code 5192).

1.8.466 Massawa

Type: Geodetic
Extent: Eritrea - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MASSAWA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6262')
```

1.8.467 Maupiti 83

Type: Geodetic
Extent: French Polynesia - Society Islands - Maupiti

```
Datum::fromSRID(Datum::EPSG_MAUPITI_83)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6692')
```

Fundamental point: Pitiahe South Base. Latitude: 16°28'28.942"S, longitude: 152°14'55.059"W (of Greenwich).

Replaced by RGPF (datum code 6687).

1.8.468 Maupiti SAU 2001

Type: Vertical
Extent: French Polynesia - Society Islands - Maupiti

```
Datum::fromSRID(Datum::EPSG_MAUPITI_SAU_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5199')
```

Fundamental benchmark: RN11

Included as part of NGPF - see datum code 5195.

1.8.469 Mauritania 1999

Type: Geodetic
Extent: Mauritania - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MAURITANIA_1999)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6702')
```

ITRF96 at epoch 1997.0

A network of 36 GPS stations tied to ITRF96, 8 of which are IGN 1962 astronomic points.

1.8.470 Mayotte 1950

Type: Vertical
Extent: Mayotte - onshore

```
Datum::fromSRID(Datum::EPSG_MAYOTTE_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5191')
```

IGN 1950 marker (height 0.0m) on southwest jetty at Dzaoudzi (Petite-Terre) is 2.18m above zero of tide gauge. SHOM 1953 marker on east (Issoufali) jetty at Dzaoudzi (height 4.74m) is the base for Mayotte heights.

Datum transferred to benchmark RN0 with height of 2.774m above tide gauge on eastern jetty at Mamoudzou (Grand-Terre) in 1979.

1.8.471 Mean High Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_HIGH_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1092')
```

Not specific to any location or epoch.

The average height of the high waters over a 19-year period.

1.8.472 Mean High Water Spring Tides

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_HIGH_WATER_SPRING_TIDES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1088')
```

Not specific to any location or epoch.

The average height of the high waters of spring tides.

1.8.473 Mean Higher High Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_HIGHER_HIGH_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1090')
```

Not specific to any location or epoch.

The average height of the higher high waters over a 19-year period.

1.8.474 Mean Low Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_LOW_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1091')
```

Not specific to any location or epoch.

The average height of all low waters over a 19-year period.

1.8.475 Mean Low Water Spring Tides

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_LOW_WATER_SPRING_TIDES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1087')
```

Not specific to any location or epoch.

The average height of the low waters of spring tides.

1.8.476 Mean Lower Low Water

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_LOWER_LOW_WATER)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1089')
```

Not specific to any location or epoch.

The average height of the lower low waters over a 19-year period.

1.8.477 Mean Lower Low Water Spring Tides

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_LOWER_LOW_WATER_SPRING_TIDES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1086')
```

Not specific to any location or epoch.

The average height of the lower low water spring tides.

1.8.478 Mean Sea Level

Type: Vertical
Extent: World

```
Datum::fromSRID(Datum::EPSG_MEAN_SEA_LEVEL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5100')
```

Not specific to any location or epoch.

The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level. Approximates geoid.

1.8.479 Mean Sea Level Netherlands

Type: Vertical
Extent: Netherlands - offshore North Sea and nearshore

```
Datum::fromSRID(Datum::EPSG_MEAN_SEA_LEVEL_NETHERLANDS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1270')
```

Surface defined through the nlgeo geoid model applied to ETRS89.

Coincides with NAP datum plane. Approximates physical mean sea surface to a few decimetres.

1.8.480 Mean Sea Level UK & Ireland VORF08

Type: Vertical
Extent: Ireland and United Kingdom (UK) (including Isle of Man and Channel Islands) - inshore, nearshore and offshore

```
Datum::fromSRID(Datum::EPSG_MEAN_SEA_LEVEL_UK_AND_IRELAND_VORF08)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1330')
```

MSL UK & Ireland VORF08 is defined by the Vertical Offshore Reference Frame v2.11 2008. MSL UK & Ireland VORF08 is reduced to epoch 2000.0.

OSGM05 model used.

1.8.481 Melilla

Type: Vertical
Extent: Spain - Melilla onshore

```
Datum::fromSRID(Datum::EPSG_MELILLA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1364')
```

Mean Sea Level at Melilla harbour between 2008-01-01 and 2019-12-31.

Orthometric heights. Replaces an earlier vertical datum in Ceuta harbour measured between 1908 and 1927.

1.8.482 Menorca

Type: Vertical
Extent: Spain - Balearic Islands - Menorca onshore

```
Datum::fromSRID(Datum::EPSG_MENORCA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1276')
```

Mean Sea Level at Ciutadella harbour between June 2007 and June 2008.

Orthometric heights.

1.8.483 Merchich

Type: Geodetic
Extent: Africa - Morocco and Western Sahara - onshore

```
Datum::fromSRID(Datum::EPSG_MERCHICH)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6261')
```

Fundamental point: Merchich. Latitude: 33°26'59.672"N, longitude: 7°33'27.295"W (of Greenwich).

1.8.484 Mexico ITRF2008

Type: Geodetic
Extent: Mexico - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MEXICO_ITRF2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1120')
```

ITRF2008 at epoch 2010.00.

Realised by a frame of 15 active GPS stations observed and adjusted in the ITRF2008. Includes ties to tide gauges. Replaces Mexico ITRF92 (datum code 1042).

1.8.485 Mexico ITRF92

Type: Geodetic
Extent: Mexico - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MEXICO_ITRF92)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1042')
```

ITRF1992 at epoch 1988.00.

Realized by a frame of 15 active GPS stations observed and adjusted in the ITRF1992. Includes ties to tide gauges. Replaces NAD27 (datum code 6267). Replaced by Mexico ITRF2008 (datum code 1120) from December 2010.

1.8.486 Mhast (offshore)

Type: Geodetic
Extent: Angola (Cabinda) - offshore; The Democratic Republic of the Congo (Zaire) - offshore

```
Datum::fromSRID(Datum::EPSG_MHAST_OFFSHORE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6705')
```

Fundamental point: Station Y at Malongo base camp. Latitude: 5°23'30.810"S, longitude: 12°12'01.590"E (of Greenwich).

Origin coordinates determined by Transit single point position using 32 passes and transformed from WGS72BE using transformation code 15790. Differs from Mhast (onshore) by approximately 10m. Replaced in 1987 by Malongo 1987 (code 6259).

1.8.487 Mhast (onshore)

Type: Geodetic
Extent: Angola (Cabinda) - onshore and offshore; The Democratic Republic of the Congo (Zaire) - onshore coastal area and offshore

```
Datum::fromSRID(Datum::EPSG_MHAST_ONSHORE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6704')
```

Probably adopted a Mhast 1951 coordinate set but associated an incorrect ellipsoid with it.

Adopted by oil industry with intention of being Mhast 1951 (code 6703) but incorrectly (for Mhast 1951) used the International 1924 ellipsoid. This datum differs by about 400 metres from the Portuguese Mhast 1951 and Camacupa datums.

1.8.488 Midway 1961

Type: Geodetic
Extent: United States Minor Outlying Islands - Midway Islands - Sand Island and Eastern Island

```
Datum::fromSRID(Datum::EPSG_MIDWAY_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6727')
```

1.8.489 Militar-Geographische Institut

Type: Geodetic
Extent: Austria

```
Datum::fromSRID(Datum::EPSG_MILITAR_GEOGRAPHISCHE_INSTITUT)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6312')
```

Fundamental point: Hermannskogel. Latitude: 48°16’15.29”N, longitude: 16°17’41.06”E (of Greenwich).

The longitude of the datum origin equates to a value for the Ferro meridian of 17°40’ exactly west of Greenwich.

1.8.490 Militar-Geographische Institut (Ferro)

Type: Geodetic
Extent: Austria. Bosnia and Herzegovina. Croatia - onshore. Kosovo. Montenegro - onshore. North Macedonia. Serbia. Slovenia - onshore

```
Datum::fromSRID(Datum::EPSG_MILITAR_GEOGRAPHISCHE_INSTITUT_FERRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6805')
```

Fundamental point: Hermannskogel. Latitude: 48°16’15.29”N, longitude: 33°57’41.06”E (of Ferro).

Replaced by MGI in Austria and MGI 1901 in former Yugoslavia.

1.8.491 Ministerio de Marina Norte

Type: Geodetic
Extent: Argentina - Tierra del Fuego onshore

```
Datum::fromSRID(Datum::EPSG_MINISTERIO_DE_MARINA_NORTE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1258')
```

Developed by the Servicio de Hidrografia Naval.

1.8.492 Ministerio de Marina Sur

Type: Geodetic
Extent: Argentina - Tierra del Fuego onshore

```
Datum::fromSRID(Datum::EPSG_MINISTERIO_DE_MARINA_SUR)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1259')
```

Developed by the Servicio de Hidrografia Naval.

1.8.493 Minna

Type: Geodetic
Extent: Nigeria - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MINNA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6263')
```

Fundamental point: Minna base station L40. Latitude: 9°38'08.87"N, longitude: 6°30'58.76"E (of Greenwich).

1.8.494 Missao Hidrografico Angola y Sao Tome 1951

Type: Geodetic
Extent: Angola - Cabinda

```
Datum::fromSRID(Datum::EPSG_MISSAO_HIDROGRAFICO_ANGOLA_Y_SAO_TOME_1951)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6703')
```

Extension of Camacupa datum into Cabinda.

A variation of this datum has been adopted by the oil industry but incorrectly using the International 1924 ellipsoid and not tied to the official Portuguese triangulation - see Mhast (onshore) and Mhast (offshore) (codes 6704 and 6705).

1.8.495 Monte Mario

Type: Geodetic
Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Datum::fromSRID(Datum::EPSG_MONTE_MARIO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6265')
```

Fundamental point: Monte Mario. Latitude: 41°55'25.51"N, longitude: 12°27'08.4"E (of Greenwich).

Replaced Genova datum, Bessel 1841 ellipsoid, from 1940.

1.8.496 Monte Mario (Rome)

Type: Geodetic
Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Datum::fromSRID(Datum::EPSG_MONTE_MARIO_ROME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6806')
```

Fundamental point: Monte Mario. Latitude: 41°55'25.51"N, longitude: 0°00' 00.00"E (of Rome).

Replaced Genova datum, Bessel 1841 ellipsoid, from 1940.

1.8.497 Montserrat 1958

Type: Geodetic
Extent: Montserrat - onshore

```
Datum::fromSRID(Datum::EPSG_MONTSERRAT_1958)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6604')
```

Fundamental point: station M36.

1.8.498 Moorea 87

Type: Geodetic
Extent: French Polynesia - Society Islands - Moorea

```
Datum::fromSRID(Datum::EPSG_MOOREA_87)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6691')
```

Two stations on Tahiti whose coordinates from the Tahiti 1979 adjustment were held fixed.

Replaces Tahiti 52 (datum code 6628) in Moorea. Replaced by RGPF (datum code 6687).

1.8.499 Moorea SAU 1981

Type: Vertical
Extent: French Polynesia - Society Islands - Moorea

```
Datum::fromSRID(Datum::EPSG_MOOREA_SAU_1981)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5197')
```

Fundamental benchmark: RN225

Included as part of NGPF - see datum code 5195.

1.8.500 Moturiki 1953

Type: Vertical
Extent: New Zealand - North Island - Moturiki vertical CRS area

```
Datum::fromSRID(Datum::EPSG_MOTURIKI_1953)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5162')
```

MSL at Moturiki Island February 1949 to December 1952.

1.8.501 Mount Dillon

Type: Geodetic
Extent: Trinidad and Tobago - Tobago - onshore

```
Datum::fromSRID(Datum::EPSG_MOUNT_DILLON)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6157')
```

Fundamental point: Mount Dillon triangulation station. Latitude: 11°15'07.843"N, longitude: 60°41'09.632"W (of Greenwich).

1.8.502 Moznet (ITRF94)

Type: Geodetic
Extent: Mozambique - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_MOZNET_ITRF94)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6130')
```

ITRF94 at epoch 1996.9

1.8.503 N2000

Type: Vertical
Extent: Finland - onshore

```
Datum::fromSRID(Datum::EPSG_N2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1030')
```

Height at Metsaahovi (latitude 60.21762°N, longitude 24.39517°E) of 54.4233m related to EVRF2000 origin through Baltic Levelling Ring adjustment at epoch 2000.0.

Realized through the third precise levelling network. Uses normal heights. Replaces N43 and N60 (datum codes 1213 and 5116). To account for isostatic land uplift use NKG2005 model.

1.8.504 NAD83 (Continuously Operating Reference Station 1996)

Type: Geodetic
Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NAD83_CONTINUOUSLY_OPERATING_REFERENCE_STATION_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1133')
```

Defined by time-dependent transformations from ITRF (see CT codes 6864-6866). The ITRF realization used has been changed periodically; ITRF96 in years 1997 through 1999, ITRF97 in 2000 and 2001 and ITRF2000 from 2002.

Replaced by NAD83(2011) from 2011-09-06.

1.8.505 NAD83 (Federal Base Network)

Type: Geodetic
Extent: American Samoa - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands - onshore. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - CONUS - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming - onshore plus Gulf of Mexico offshore continental shelf (GoM OCS). US Virgin Islands - onshore

```
Datum::fromSRID(Datum::EPSG_NAD83_FEDERAL_BASE_NETWORK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1211')
```

A collection of individual state-wide adjustments including GPS observations made between 1997 and 2004.

In CA CT FL ID MA ME MT NC NH NJ NV NY OR RI SC TN VT WA and WI, replaces the early 1990s HARN adjustment. In rest of CONUS the difference between the HARN and FBN adjustments was under 5cm and the original HARN adjustments were adopted as NAD83(FBN).

1.8.506 NAD83 (High Accuracy Reference Network - Corrected)

Type: Geodetic
Extent: Puerto Rico and US Virgin Islands - onshore

```
Datum::fromSRID(Datum::EPSG_NAD83_HIGH_ACCURACY_REFERENCE_NETWORK_CORRECTED)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1212')
```

In PRVI replaces NAD83(HARN) to correct errors. Replaced by NAD83(FBN).

1.8.507 NAD83 (High Accuracy Reference Network)

Type: Geodetic

Extent: American Samoa - onshore - Tutuila, Aunu'u, Ofu, Olesega, Ta'u and Rose islands. Guam - onshore. Northern Mariana Islands - onshore. Puerto Rico - onshore. United States (USA) - onshore Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming; offshore Gulf of Mexico continental shelf (GoM OCS). US Virgin Islands - onshore

```
Datum::fromSRID(Datum::EPSG_NAD83_HIGH_ACCURACY_REFERENCE_NETWORK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6152')
```

A collection of individual state-wide adjustments including GPS observations made between 1991 and 1996.

In CONUS, American Samoa and Guam replaced by NAD83(FBN). In Alaska replaced by NAD83(NSRS2007). In Hawaii replaced by NAD83(PA11). In Puerto Rico and US Virgin Islands replaced by NAD83(HARN Corrected).

1.8.508 NAD83 (National Spatial Reference System 2007)

Type: Geodetic

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NAD83_NATIONAL_SPATIAL_REFERENCE_SYSTEM_2007)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6759')
```

Coordinates of 486 national continually operating reference system (CORS) and 195 collaborative GPS (CGPS) sites constrained to their CORS96 values, ITRF2000 at epoch 2002.0.

Replaced by NAD83 (National Spatial Reference System 2011), datum code 1116.

1.8.509 NAD83 (National Spatial Reference System 2011)

Type: Geodetic

Extent: Puerto Rico - onshore and offshore. United States (USA) onshore and offshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NAD83_NATIONAL_SPATIAL_REFERENCE_SYSTEM_2011)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1116')
```

Coordinates of a nationwide adjustment of 79,546 NGS "passive" control stations in CONUS and Alaska, constrained to 1,171 current CORS station coordinates at epoch 2010.0.

Replaces NAD83(NSRS2007). Transformaton code 7807 from ITRF2008 is understood to underlay the CORS station coordinates.

1.8.510 NAD83 (National Spatial Reference System MA11)

Type: Geodetic

Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NAD83_NATIONAL_SPATIAL_REFERENCE_SYSTEM_MA11)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1118')
```

Coordinates of a nationwide adjustment including 171 NGS "passive" control stations constrained to 24 current Pacific CORS station coordinates at epoch 2010.0.

Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam. ITRF2008 is understood to underlay the latest CORS station coordinates.

1.8.511 NAD83 (National Spatial Reference System PA11)

Type: Geodetic

Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NAD83_NATIONAL_SPATIAL_REFERENCE_SYSTEM_PA11)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1117')
```

Coordinates of a nationwide adjustment including 345 NGS "passive" control stations constrained to 24 current Pacific CORS station coordinates at epoch 2010.0.

Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa. ITRF2008 is understood to underlay the latest CORS station coordinates.

1.8.512 NAD83 Canadian Spatial Reference System

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NAD83_CANADIAN_SPATIAL_REFERENCE_SYSTEM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6140')
```

Includes all versions of NAD83(CSRS) from v2 [CSRS98] onwards without specific identification. As such it has an accuracy of approximately 1m.

1.8.513 NEA74 Noumea

Type: Geodetic
Extent: New Caledonia - Grande Terre - Noumea district

```
Datum::fromSRID(Datum::EPSG_NEA74_NOUMEA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6644')
```

Noumea old signal station.

1.8.514 NGO 1948

Type: Geodetic
Extent: Norway - onshore

```
Datum::fromSRID(Datum::EPSG_NGO_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6273')
```

Fundamental point: Oslo observatory. Latitude: 59°54'43.7"N, longitude: 10°43'22.5"E (of Greenwich).

1.8.515 NGO 1948 (Oslo)

Type: Geodetic
Extent: Norway - onshore

```
Datum::fromSRID(Datum::EPSG_NGO_1948_OSLO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6817')
```

Fundamental point: Oslo observatory. Latitude: 59°54'43.7"N, longitude: 0°00'00.0"E (of Oslo).

1.8.516 NSIDC International 1924 Authalic Sphere

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NSIDC_INTERNATIONAL_1924_AUTHALIC_SPHERE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1360')
```

Created to support EASE-Grid v1. Note: for EASE-Grid v2, WGS 84 used.

1.8.517 NSWC 9Z-2

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NSWC_9Z_2)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6276')
```

Transit precise ephemeris before 1991.

1.8.518 Nahrwan 1934

Type: Geodetic
Extent: Iraq - onshore; Iran - onshore northern Gulf coast and west bordering southeast Iraq

```
Datum::fromSRID(Datum::EPSG_NAHRWAN_1934)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6744')
```

Fundamental point: Nahrwan south base. Latitude: 33°19'10.87"N, longitude: 44°43'25.54"E (of Greenwich).

This adjustment later discovered to have a significant orientation error. In Iran replaced by FD58. In Iraq, replaced by Karbala 1979.

1.8.519 Nahrwan 1967

Type: Geodetic
Extent: Arabian Gulf; Qatar - offshore; United Arab Emirates (UAE) - Abu Dhabi; Dubai; Sharjah; Ajman; Fujairah; Ras Al Kaimah; Umm Al Qaiwain - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NAHRWAN_1967)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6270')
```

Fundamental point: Nahrwan south base. Latitude: 33°19'10.87"N, longitude: 44°43'25.54"E (of Greenwich).

1.8.520 Nakhl-e Ghanem

Type: Geodetic
Extent: Iran - Kangan district

```
Datum::fromSRID(Datum::EPSG_NAKHL_E_GHANEM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6693')
```

Coordinates of two stations determined with respect to ITRF 2000 at epoch 2005.2: BMT1 latitude 27°42'09.8417"N, longitude 52°12'11.0362"E (of Greenwich); Total1 latitude 27°31'03.8896"N, longitude 52°36'13.1312"E (of Greenwich).

1.8.521 Naparima 1955

Type: Geodetic
Extent: Trinidad and Tobago - Trinidad - onshore

```
Datum::fromSRID(Datum::EPSG_NAPARIMA_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6158')
```

Fundamental point: Naparima. Latitude: 10°16'44.860"N, longitude: 61°27'34.620"W (of Greenwich).

Extended to Tobago as Naparima 1972. (Note: Naparima 1972 is not used in Trinidad).

1.8.522 Naparima 1972

Type: Geodetic
Extent: Trinidad and Tobago - Tobago - onshore

```
Datum::fromSRID(Datum::EPSG_NAPARIMA_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6271')
```

Fundamental point: Naparima. Latitude: 10°16'44.860"N, longitude: 61°27'34.620"W (of Greenwich).

Naparima 1972 is an extension to Tobago of the Naparima 1955 network of Trinidad.

1.8.523 Napier 1962

Type: Vertical
Extent: New Zealand - North Island - Hawkes Bay meridional circuit and Napier vertical crs area

```
Datum::fromSRID(Datum::EPSG_NAPIER_1962)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5163')
```

MSL at Napier harbour. Period of derivation unknown.

1.8.524 National Geodetic Network

Type: Geodetic
Extent: Kuwait - onshore

```
Datum::fromSRID(Datum::EPSG_NATIONAL_GEODETIC_NETWORK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6318')
```

Replaces 1984 adjustment which used the WGS72 ellipsoid.

1.8.525 National Geodetic Vertical Datum 1929

Type: Vertical
Extent: United States (USA) - CONUS onshore - Alabama; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Datum::fromSRID(Datum::EPSG_NATIONAL_GEODETIC_VERTICAL_DATUM_1929)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5102')
```

26 tide gauges in the US and Canada.

Normal orthometric heights.

1.8.526 National Vertical Datum 1992

Type: Vertical
Extent: Bangladesh - onshore

```
Datum::fromSRID(Datum::EPSG_NATIONAL_VERTICAL_DATUM_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1303')
```

Mean Sea Level 1992-1994 at tidal station at Rangadia, Chittagong.

1.8.527 Nelson 1955

Type: Vertical
Extent: New Zealand - South Island - north of approximately 42°20'S - Nelson vertical CRS area

```
Datum::fromSRID(Datum::EPSG_NELSON_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5164')
```

MSL at Nelson harbour 1939-1942.

1.8.528 Nepal 1981

Type: Geodetic
Extent: Nepal

```
Datum::fromSRID(Datum::EPSG_NEPAL_1981)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1111')
```

Fundamental point: Station 12/157 Nagarkot. Latitude: 27°41'31.04"N, longitude: 85°31'20.23"E (of Greenwich).

1.8.529 New Beijing

Type: Geodetic
Extent: China - onshore

```
Datum::fromSRID(Datum::EPSG_NEW_BEIJING)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1045')
```

Derived by conformal transformation of Xian 1980 adjustment onto Krassowsky ellipsoid.

From 1982 replaces Beijing 1954.

1.8.530 New Zealand Geodetic Datum 1949

Type: Geodetic
Extent: New Zealand - North Island, South Island, Stewart Island - onshore and nearshore

```
Datum::fromSRID(Datum::EPSG_NEW_ZEALAND_GEODETIC_DATUM_1949)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6272')
```

Fundamental point: Papatahi. Latitude: 41°19’ 8.900”S, longitude: 175°02’51.000”E (of Greenwich).

Replaced by New Zealand Geodetic Datum 2000 (code 6167) from March 2000.

1.8.531 New Zealand Geodetic Datum 2000

Type: Geodetic
Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Datum::fromSRID(Datum::EPSG_NEW_ZEALAND_GEODETIC_DATUM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6167')
```

Based on ITRF96 at epoch 2000.0

Replaces New Zealand Geodetic Datum 1949 (code 6272) and Chatham Islands Datum 1979 (code 6673) from March 2000.

1.8.532 New Zealand Vertical Datum 2009

Type: Vertical
Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Datum::fromSRID(Datum::EPSG_NEW_ZEALAND_VERTICAL_DATUM_2009)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1039')
```

New Zealand Quasigeoid 2009 which is defined by the application of the NZ geoid 2009 grid to NZGD2000 ellipsoidal heights. See transformation code 4459.

1.8.533 New Zealand Vertical Datum 2016

Type: Vertical
Extent: New Zealand - onshore and offshore. Includes Antipodes Islands, Auckland Islands, Bounty Islands, Chatham Islands, Cambell Island, Kermadec Islands, Raoul Island and Snares Islands

```
Datum::fromSRID(Datum::EPSG_NEW_ZEALAND_VERTICAL_DATUM_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1169')
```

New Zealand quasigeoid 2016 which is defined by the application of the NZ geoid 2016 grid to NZGD2000 ellipsoidal heights. See transformation code 7840.

1.8.534 Nivellement General Guyanais 1977

Type: Vertical
Extent: French Guiana - onshore

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_GUYANAIS_1977)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5153')
```

Mean sea level 1936 at Cayenne. Origin = marker BM35 on stone on St Francois battery, Cayenne, with defined elevation of 1.64m above msl. NGG1977 height 0.00m is 1.96m above sounding datum defined at Cayenne in 1936 by SHM.

Orthometric heights.

1.8.535 Nivellement General de Nouvelle Caledonie

Type: Vertical
Extent: New Caledonia - Grande Terre

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_NOUVELLE_CALEDONIE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5151')
```

Rivet AB01 established by SHOM (Service Hydrographique de la Marine) in 1937 on the Quai des Volontaires in Noumea. Height i: 1.885 metre above mean sea level.

Orthometric heights.

1.8.536 Nivellement General de Nouvelle Caledonie 2008

Type: Vertical
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands (Lifou, Mare, Ouvea)

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_NOUVELLE_CALEDONIE_2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1255')
```

Normal heights.

1.8.537 Nivellement General de Polynesie Francaise

Type: Vertical
Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Maupiti, Moorea, Raiatea, Tahaa and Tahiti

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_POLYNESIE_FRANCAISE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5195')
```

The collection of heterogeneous levelling networks throughout the Society Islands of French Polynesia.

1.8.538 Nivellement General de l'Algerie 2022

Type: Vertical
Extent: Algeria - onshore

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_LALGERIE_2022)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1354')
```

Fundamental benchmark attached to the tide gauge at basin of Algiers old port with defined height of 1.1168m.

Orthometric heights.

1.8.539 Nivellement General de la Corse 1948

Type: Vertical
Extent: France - Corsica onshore

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_LA_CORSE_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5189')
```

Mean sea level at Ajaccio between 1912 and 1937.

Replaced by IGN78 Corsica (datum 5120).

1.8.540 Nivellement General de la France - IGN69

Type: Vertical
Extent: France - mainland onshore

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_LA_FRANCE_IGN69)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5119')
```

Rivet number M.ac O-VIII on the Marseille tide gauge site, with the height fixed in 1897 at 1.661 metre above mean sea level between February 2nd 1885 and January 1st 1897.

Uses Normal heights.

1.8.541 Nivellement General de la France - IGN78

Type: Vertical
Extent: France - Corsica onshore

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_LA_FRANCE_IGN78)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5120')
```

Marker MM3 situated on the tide gauge site of Ajaccio. Height is 3.640 metre above mean sea level.

Uses Normal heights. Replaces NGC (datum code 5189).

1.8.542 Nivellement General de la France - Lallemand

Type: Vertical
Extent: France - mainland onshore

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DE_LA_FRANCE_LALLEMAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5118')
```

Rivet number M.ac O-VIII on the Marseille tide gauge site, with the height fixed in 1897 at 1.661 metre above mean sea level between February 2nd 1885 and January 1st 1897.

Orthometric heights.

1.8.543 Nivellement General du Luxembourg 1995

Type: Vertical
Extent: Luxembourg

```
Datum::fromSRID(Datum::EPSG_NIVELLEMENT_GENERAL_DU_LUXEMBOURG_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5172')
```

Reference point Wemperhardt defined as 528.030m above Normaal Amsterdams Peil (NAP). Datum at NAP is mean high tide in 1684. Network adjusted in 1995.

Pseudo-orthometric heights.

1.8.544 Nord Sahara 1959

Type: Geodetic
Extent: Algeria - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NORD_SAHARA_1959)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6307')
```

Coordinates of primary network readjusted on ED50 datum and then transformed conformally to Clarke 1880 (RGS) ellipsoid.

Adjustment includes Morocco and Tunisia but use only in Algeria. Within Algeria the adjustment is north of 32°N but use has been extended southwards in many disconnected projects, some based on independent astro stations rather than the geodetic network.

1.8.545 Normaal Amsterdams Peil

Type: Vertical
Extent: Netherlands - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NORMAAL_AMSTERDAMS_PEIL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5109')
```

Mean high tide at Amsterdam in 1684. Onshore NAP is defined by the published heights of benchmarks and since 2018 extended offshore defined by the application of the official transformation from ETRS89, RDNAPTRANS(TM).

Orthometric heights. From 2018, use has been extended from Netherlands onshore to Netherlands onshore and offshore.

1.8.546 North American Datum 1927

Type: Geodetic
Extent: North and central America: Antigua and Barbuda - onshore. Bahamas - onshore plus offshore over internal continental shelf only. Belize - onshore. British Virgin Islands - onshore. Canada onshore - Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland and Labrador, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Quebec, Saskatchewan and Yukon - plus offshore east coast. Cuba - onshore and offshore. El Salvador - onshore. Guatemala - onshore. Honduras - onshore. Panama - onshore. Puerto Rico - onshore. Mexico - onshore plus offshore east coast. Nicaragua - onshore. United States (USA) onshore and offshore - Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming - plus offshore . US Virgin Islands - onshore

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_1927)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6267')
```

Fundamental point: Meade's Ranch. Latitude: 39°13'26.686"N, longitude: 98°32'30.506"W (of Greenwich).

In United States (USA) and Canada, replaced by North American Datum 1983 (NAD83) (code 6269) ; in Mexico, replaced by Mexican Datum of 1993 (code 1042).

1.8.547 North American Datum 1927 (1976)

Type: Geodetic
Extent: Canada - Ontario

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_1927_1976)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6608')
```

Fundamental point: Meade's Ranch. Latitude: 39°13'26.686"N, longitude: 98°32'30.506"W (of Greenwich).

NAD27(76) used in Ontario for all maps at scale 1/20 000 and larger; elsewhere in Canada for selected purposes.

1.8.548 North American Datum 1927 (CGQ77)

Type: Geodetic
Extent: Canada - Quebec

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_1927_CGQ77)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6609')
```

Fundamental point: Meade's Ranch. Latitude: 39°13'26.686"N, longitude: 98°32'30.506"W (of Greenwich).

NAD27 (CGQ77) used in Quebec for all maps at scale 1/20 000 and larger; generally for maps issued by the Quebec cartography office whose reference system is CGQ77.

1.8.549 North American Datum 1983

Type: Geodetic
Extent: North America - onshore and offshore: Canada - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon. Puerto Rico. United States (USA) - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Hawaii; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming. US Virgin Islands. British Virgin Islands

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_1983)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6269')
```

NAD83 Doppler Transit stations in NWL 9D were aligned with the BIH Conventional Terrestrial Reference Frame (BTS) at epoch 1984.0 using an internationally adopted transformation. NAD83 is now known to be non-geocentric by about 2.2 meters.

Although the 1986 adjustment included connections to Greenland and Mexico, it has not been adopted there. In Canada and US, replaced NAD27.

1.8.550 North American Datum of 1983 (CSRS) version 2

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_2)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1193')
```

Defined at reference epoch 1997.00 by a transformation from ITRF96 (see transformation code 8259). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 1998-01-01; adopted by the Canadian federal government and the provincial governments of Alberta, Saskatchewan, Manitoba, Quebec, New Brunswick and Prince Edward Island. Replaces NAD83(CSRS96). Replaced by NAD83(CSRS)v3.

1.8.551 North American Datum of 1983 (CSRS) version 3

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_3)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1194')
```

Defined at reference epoch 1997.00 by a transformation from ITRF97 (see transformation code 8260). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 1999-01-01; adopted by the Canadian federal government (2000) and the provincial governments of British Columbia (CRD in 2000, all Victoria Island 2005), Ontario (2008) and Nova Scotia (2000). Replaces NAD83(CSRS)v2. Replaced by NAD83(CSRS)v4.

1.8.552 North American Datum of 1983 (CSRS) version 4

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_4)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1195')
```

Defined at reference epoch 2002.00 by a transformation from ITRF2000 (see transformation code 8261). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 2002-01-01; adopted by the Canadian federal government (2002) and the provincial governments of British Columbia (for mainland only, not Victoria Island) (2005) and Alberta (2004). Replaces NAD83(CSRS)v3. Replaced by NAD83(CSRS)v5.

1.8.553 North American Datum of 1983 (CSRS) version 5

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_5)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1196')
```

Defined at reference epoch 2006.00 by a transformation from ITRF2005 (see transformation code 9227). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 2007-01-01; adopted by the Canadian federal government in 2007. Replaces NAD83(CSRS)v4. Replaced by NAD83(CSRS)v6.

1.8.554 North American Datum of 1983 (CSRS) version 6

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_6)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1197')
```

Defined at reference epoch 2010.00 by a transformation from ITRF2008 (see transformation code 8264). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 2010-01-01; adopted by the Canadian government (2012) and the provincial governments of Manitoba (2014), Ontario (2013), Prince Edward Island (2014), Nova Scotia (2014) and Newfoundland (2012). Replaces NAD83(CSRSv5). Replaced by NAD83(CSRS)v7.

1.8.555 North American Datum of 1983 (CSRS) version 7

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_7)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1198')
```

Defined at reference epoch 2010.00 by a transformation from ITRF2014 (see transformation code 8265). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 2017-05-01; adopted by the Canadian federal government (2017) and the provincial governments of Alberta (2021) and Prince Edward Island (2020). Replaces NAD83(CSRS)v6. Replaced by NAD83(CSRS)v8.

1.8.556 North American Datum of 1983 (CSRS) version 8

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS_VERSION_8)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1365')
```

Defined at reference epoch 2010.00 by a transformation from ITRF2020 (see transformation code 10415). The frame is kept aligned with the North American tectonic plate at other epochs using the NNR-Nuvel 1A model.

Published 2022-11-27; adopted by the Canadian federal government (2023). Replaces NAD83(CSRS)v7.

1.8.557 North American Datum of 1983 (CSRS96)

Type: Geodetic

Extent: Canada - onshore and offshore - Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland and Labrador; Northwest Territories; Nova Scotia; Nunavut; Ontario; Prince Edward Island; Quebec; Saskatchewan; Yukon

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_CSRS96)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1192')
```

Defined at epoch 1988.0 by a transformation from ITRF92, the definition superseded by a transformation from ITRF93 and then by a transformation from ITRF94. (See transformation codes 8256-58).

Adopted by the Canadian federal government from 1996-01-01. Replaces NAD83 [sometimes called NAD83(Original)]. Replaced by NAD83(CSRS)v2.

1.8.558 North American Datum of 1983 (MARP00)

Type: Geodetic
Extent: Guam, Northern Mariana Islands and Palau; onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_MARP00)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1221')
```

Defined by a time-dependent seven parameter transformation of ITRF2000 3D geocentric Cartesian coordinates and velocities at reference epoch 1993.62, aligned to the Mariana plate at other epochs based on an Euler pole rotation.

Replaces NAD83(HARN) (GGN93) and NAD83(FBN) in Guam. Replaced by NAD83(MA11).

1.8.559 North American Datum of 1983 (PACP00)

Type: Geodetic
Extent: American Samoa, Marshall Islands, United States (USA) - Hawaii, United States minor outlying islands; onshore and offshore

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_DATUM_OF_1983_PACP00)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1249')
```

Defined by a time-dependent seven parameter transformation of ITRF2000 3D geocentric Cartesian coordinates and velocities at reference epoch 1993.62, aligned to the Pacific plate at other epochs based on an Euler pole rotation.

Replaces NAD83(HARN) and NAD83(FBN) in Hawaii and American Samoa. Replaced by NAD83(PA11).

1.8.560 North American Vertical Datum 1988

Type: Vertical
Extent: Mexico - onshore. United States (USA) - CONUS and Alaska - onshore - Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

```
Datum::fromSRID(Datum::EPSG_NORTH_AMERICAN_VERTICAL_DATUM_1988)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5103')
```

Mean water level 1970-1983 at Pointe-au-Père (Father's Point) and 1984-1988 at Rimouski, Quebec. Benchmark 1250-G = 6.273m.

Helmert orthometric heights.

1.8.561 North Rona

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - North Rona onshore

```
Datum::fromSRID(Datum::EPSG_NORTH_RONA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5143')
```

Orthometric heights.

1.8.562 Northern Marianas Vertical Datum of 2003

Type: Vertical
Extent: Northern Mariana Islands - onshore - Rota, Saipan and Tinian

```
Datum::fromSRID(Datum::EPSG_NORTHERN_MARIANAS_VERTICAL_DATUM_OF_2003)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1119')
```

Mean sea level at Tanapag harbor, Saipan. Benchmark 1633227 TIDAL UH-2C = 1.657m relative to National Tidal Datum Epoch 1983-2001. Transferred to Rota (East Harbor, BM TIDAL 3 = 1.482m) and Tinian (Harbor BM TIDAL 1 = 2.361m).

Replaces all earlier vertical datums on these islands.

1.8.563 Norway Normal Null 1954

Type: Vertical
Extent: Norway - onshore

```
Datum::fromSRID(Datum::EPSG_NORWAY_NORMAL_NULL_1954)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5174')
```

MSL defined by regression at 7 gauges with between 17 and 67 years observations.

Includes initial NN1954 system and NNN1957 system. Former name retained. Normal-orthometric heights. Replaced by NN2000.

1.8.564 Norway Normal Null 2000

Type: Vertical
Extent: Norway - onshore

```
Datum::fromSRID(Datum::EPSG_NORWAY_NORMAL_NULL_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1096')
```

Adjustment is referenced to mean high tide at Amsterdams Peil in 1684. To account for land level movements caused by isostatic rebound, heights are reduced to epoch 2000.0 using values computed from the NKG2005LU uplift model.

Replaces NN54. Uses Normal heights.

1.8.565 Norwegian Chart Datum

Type: Vertical
Extent: Norway (offshore) and Svalbard and Jan Mayen (offshore)

```
Datum::fromSRID(Datum::EPSG_NORWEGIAN_CHART_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1301')
```

LAT (sum of all harmonic constituents) with an added safety margin in areas where low water levels frequently deviate from LAT. The safety margin is 20 cm from Utsira to the Swedish border and 30 cm in the inner part of the Oslofjord (north of Drøbak).

Prior to 2000-01-01 the definition of chart datum was Z0 = M2 + S2 + N2 + K2 + K1 + ½Sa plus safety margins (10 cm north of Hordaland, 20 cm in Hordaland, 30 cm from Rogaland to the Swedish border and 40 cm in the inner parts of the Oslofjord).

1.8.566 Not specified (based on Airy 1830 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_AIRY_1830_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6001')
```

Included for coordinate reference systems where datum is unknown.

1.8.567 Not specified (based on Airy Modified 1849 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_AIRY_MODIFIED_1849_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6002')
```

Included for coordinate reference systems where datum is unknown.

1.8.568 Not specified (based on Australian National Spheroid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_AUSTRALIAN_NATIONAL_SPHEROID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6003')
```

Included for coordinate reference systems where datum is unknown.

1.8.569 Not specified (based on Average Terrestrial System 1977 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_AVERAGE_TERRESTRIAL_SYSTEM_1977_
↪ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6041')
```

Included for coordinate reference systems where datum is unknown.

1.8.570 Not specified (based on Bessel 1841 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_BESSEL_1841_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6004')
```

Included for coordinate reference systems where datum is unknown.

1.8.571 Not specified (based on Bessel Modified ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_BESSEL_MODIFIED_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6005')
```

Included for coordinate reference systems where datum is unknown.

1.8.572 Not specified (based on Bessel Namibia ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_BESSEL_NAMIBIA_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6006')
```

Included for coordinate reference systems where datum is unknown.

1.8.573 Not specified (based on Clarke 1858 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1858_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6007')
```

Included for coordinate reference systems where datum is unknown.

1.8.574 Not specified (based on Clarke 1866 Authalic Sphere)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1866_AUTHALIC_SPHERE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6052')
```

Included for coordinate reference systems where datum is unknown.

1.8.575 Not specified (based on Clarke 1866 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1866_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6008')
```

Included for coordinate reference systems where datum is unknown.

1.8.576 Not specified (based on Clarke 1880 (Arc) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1880_ARC_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6013')
```

Included for coordinate reference systems where datum is unknown.

1.8.577 Not specified (based on Clarke 1880 (Benoit) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1880_BENOIT_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6010')
```

Included for coordinate reference systems where datum is unknown.

1.8.578 Not specified (based on Clarke 1880 (IGN) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1880_IGN_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6011')
```

Included for coordinate reference systems where datum is unknown.

1.8.579 Not specified (based on Clarke 1880 (RGS) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1880_RGS_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6012')
```

Included for coordinate reference systems where datum is unknown.

1.8.580 Not specified (based on Clarke 1880 (SGA 1922) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1880_SGA_1922_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6014')
```

Included for coordinate reference systems where datum is unknown.

1.8.581 Not specified (based on Clarke 1880 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_CLARKE_1880_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6034')
```

Included for coordinate reference systems where datum is unknown.

1.8.582 Not specified (based on Everest (1830 Definition) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_EVEREST_1830_DEFINITION_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6042')
```

Included for coordinate reference systems where datum is unknown.

1.8.583 Not specified (based on Everest 1830 (1937 Adjustment) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_EVEREST_1830_1937_ADJUSTMENT_
↪ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6015')
```

Included for coordinate reference systems where datum is unknown.

1.8.584 Not specified (based on Everest 1830 (1962 Definition) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_EVEREST_1830_1962_DEFINITION_
↪ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6044')
```

Included for coordinate reference systems where datum is unknown.

1.8.585 Not specified (based on Everest 1830 (1967 Definition) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_EVEREST_1830_1967_DEFINITION_
↪ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6016')
```

Included for coordinate reference systems where datum is unknown.

1.8.586 Not specified (based on Everest 1830 (1975 Definition) ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_EVEREST_1830_1975_DEFINITION_
↪ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6045')
```

Included for coordinate reference systems where datum is unknown.

1.8.587 Not specified (based on Everest 1830 Modified ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_EVEREST_1830_MODIFIED_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6018')
```

Included for coordinate reference systems where datum is unknown.

1.8.588 Not specified (based on GEM 10C ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_GEM_10C_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6031')
```

Included for coordinate reference systems where datum is unknown.

1.8.589 Not specified (based on GRS 1967 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_GRS_1967_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6036')
```

Included for coordinate reference systems where datum is unknown.

1.8.590 Not specified (based on GRS 1980 Authalic Sphere)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_GRS_1980_AUTHALIC_SPHERE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6047')
```

Included for coordinate reference systems where datum is unknown.

1.8.591 Not specified (based on GRS 1980 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_GRS_1980_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6019')
```

Included for coordinate reference systems where datum is unknown.

1.8.592 Not specified (based on Helmert 1906 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_HELMERT_1906_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6020')
```

Included for coordinate reference systems where datum is unknown.

1.8.593 Not specified (based on Hughes 1980 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_HUGHES_1980_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6054')
```

Included for coordinate reference systems where datum is unknown.

1.8.594 Not specified (based on Indonesian National Spheroid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_INDONESIAN_NATIONAL_SPHEROID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6021')
```

Included for coordinate reference systems where datum is unknown.

1.8.595 Not specified (based on International 1924 Authalic Sphere)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_INTERNATIONAL_1924_AUTHALIC_SPHERE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6053')
```

Included for coordinate reference systems where datum is unknown.

1.8.596 Not specified (based on International 1924 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_INTERNATIONAL_1924_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6022')
```

Included for coordinate reference systems where datum is unknown.

1.8.597 Not specified (based on Krassowsky 1940 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_KRASSOWSKY_1940_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6024')
```

Included for coordinate reference systems where datum is unknown.

1.8.598 Not specified (based on NWL 9D ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_NWL_9D_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6025')
```

Included for coordinate reference systems where datum is unknown.

1.8.599 Not specified (based on OSU86F ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_OSU86F_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6032')
```

Included for coordinate reference systems where datum is unknown.

1.8.600 Not specified (based on OSU91A ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_OSU91A_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6033')
```

Included for coordinate reference systems where datum is unknown.

1.8.601 Not specified (based on Plessis 1817 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_PLESSIS_1817_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6027')
```

Included for coordinate reference systems where datum is unknown.

1.8.602 Not specified (based on Struve 1860 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_STRUVE_1860_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6028')
```

Included for coordinate reference systems where datum is unknown.

1.8.603 Not specified (based on WGS 72 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_WGS_72_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6043')
```

Included for coordinate reference systems where datum is unknown.

1.8.604 Not specified (based on WGS 84 ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_WGS_84_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6030')
```

Included for coordinate reference systems where datum is unknown.

1.8.605 Not specified (based on War Office ellipsoid)

Type: Geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_NOT_SPECIFIED_BASED_ON_WAR_OFFICE_ELLIPSOID)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6029')
```

Included for coordinate reference systems where datum is unknown.

1.8.606 Nouakchott 1965

Type: Geodetic
Extent: Mauritania - coastal area south of Cape Timiris

```
Datum::fromSRID(Datum::EPSG_NOUAKCHOTT_1965)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6680')
```

Nouakchott astronomical point.

Triangulation limited to environs of Nouakchott. Extended in 1982 by satellite translocation from a single station "Ruines" to support Syledis chain for offshore operations. Replaced by Mauritania 1999 (datum code 6602).

1.8.607 Nouvelle Triangulation Francaise

Type: Geodetic
Extent: France - onshore - mainland and Corsica

```
Datum::fromSRID(Datum::EPSG_NOUVELLE_TRIANGULATION_FRANCAISE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6275')
```

Fundamental point: Pantheon. Latitude: 48°50'46.522"N, longitude: 2°20'48.667"E (of Greenwich).

1.8.608 Nouvelle Triangulation Francaise (Paris)

Type: Geodetic
Extent: France - onshore - mainland and Corsica

```
Datum::fromSRID(Datum::EPSG_NOUVELLE_TRIANGULATION_FRANCAISE_PARIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6807')
```

Fundamental point: Pantheon. Latitude: 54.273618g N, longitude: 0.0106921g E (of Paris).

1.8.609 OS (SN) 1980

Type: Geodetic
Extent: Ireland - onshore. United Kingdom (UK) - onshore - England; Scotland; Wales; Northern Ireland. Isle of Man

```
Datum::fromSRID(Datum::EPSG_OS_SN_1980)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6279')
```

Fundamental point: Herstmonceux. Latitude: 50°51’55.271”N, longitude: 0°20’45.882”E (of Greenwich).

1.8.610 OSGB 1970 (SN)

Type: Geodetic
Extent: United Kingdom (UK) - Great Britain - England and Wales onshore, Scotland onshore and Western Isles nearshore including Sea of the Hebrides and The Minch; Isle of Man onshore

```
Datum::fromSRID(Datum::EPSG_OSGB_1970_SN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6278')
```

Fundamental point: Herstmonceux. Latitude: 50°51’55.271”N, longitude: 0°20’45.882”E (of Greenwich).

1.8.611 OSNI 1952

Type: Geodetic
Extent: United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_OSNI_1952)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6188')
```

Position fixed to the coordinates from the 19th century Principle Triangulation of station Divis. Scale and orientation controlled by position of Principle Triangulation stations Knocklayd and Trostan.

Replaced by Geodetic Datum of 1965 alias 1975 Mapping Adjustment or TM75 (datum code 6300).

1.8.612 Observatario

Type: Geodetic
Extent: Mozambique - south

```
Datum::fromSRID(Datum::EPSG_OBSERVATARIO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6129')
```

Fundamental point: Campos Rodrigues observatory, Maputo.

Replaced by transformation to Tete datum (datum code 6127).

1.8.613 Ocotepeque 1935

Type: Geodetic
Extent: Costa Rica; El Salvador; Guatemala; Honduras; Nicaragua

```
Datum::fromSRID(Datum::EPSG_OCOTEPEQUE_1935)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1070')
```

Fundamental point: Base Norte. Latitude: 14°26'20.168"N, longitude: 89°11'33.964"W.

Replaced in Costa Rica by Costa Rica 2005 (CR05) from March 2007 and replaced in El Salvador by SIRGAS_ES2007 from August 2007.

1.8.614 Old Hawaiian

Type: Geodetic
Extent: United States (USA) - Hawaii - main islands onshore

```
Datum::fromSRID(Datum::EPSG_OLD_HAWAIIAN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6135')
```

Fundamental point: Oahu West Base Astro. Latitude: 21°18'13.89"N, longitude 157°50'55.79"W (of Greenwich)

Hawaiian Islands were never on NAD27 but rather on Old Hawaiian Datum. NADCON conversion program provides transformation from Old Hawaiian Datum to NAD83 (original 1986 realization) but making the transformation appear to user as if from NAD27.

1.8.615 Oman National Geodetic Datum 2014

Type: Geodetic
Extent: Oman - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_OMAN_NATIONAL_GEODETIC_DATUM_2014)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1147')
```

20 stations of the Oman primary network tied to ITRF2008 at epoch 2013.15.

Replaces WGS 84 (G873). Replaced by ONGD17.

1.8.616 Oman National Geodetic Datum 2017

Type: Geodetic
Extent: Oman - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_OMAN_NATIONAL_GEODETIC_DATUM_2017)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1263')
```

Oman primary network of 39 stations tied to ITRF2014 at epoch 2017.24.

Replaces ONGD14 from March 2019.

1.8.617 One Tree Point 1964

Type: Vertical
Extent: New Zealand - North Island - One Tree Point vertical CRS area

```
Datum::fromSRID(Datum::EPSG_ONE_TREE_POINT_1964)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5165')
```

MSL at Whangarei harbour 1960-1963.

1.8.618 Ordnance Datum Newlyn

Type: Vertical
Extent: United Kingdom (UK) - Great Britain onshore - England and Wales - mainland; Scotland - mainland and Inner Hebrides

```
Datum::fromSRID(Datum::EPSG_ORDNANCE_DATUM_NEWLYN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5101')
```

Mean Sea Level at Newlyn between 1915 and 1921. Initially realised through 1921 and then 1956 levelling network adjustments. From 2002 redefined to be realised through OSGM geoid models.

Orthometric heights.

1.8.619 Ordnance Datum Newlyn (Offshore)

Type: Vertical
Extent: United Kingdom (UK) - offshore between 2km from shore and boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E

```
Datum::fromSRID(Datum::EPSG_ORDNANCE_DATUM_NEWLYN_OFFSHORE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1164')
```

Defined by OSGM geoid model.

Extension of Ordnance Datum Newlyn offshore through geoid model. Orthometric heights.

1.8.620 Ordnance Datum Newlyn (Orkney Isles)

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Orkney Islands onshore

```
Datum::fromSRID(Datum::EPSG_ORDNANCE_DATUM_NEWLYN_ORKNEY_ISLES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5138')
```

Connected to Newlyn datum by triangulation from the British mainland. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Considered as separate from Newlyn because the accuracy of the trigonometric connection across the Pentland Firth does not meet geodetic levelling specifications. Orthometric heights.

1.8.621 Ordnance Survey of Great Britain 1936

Type: Geodetic
Extent: United Kingdom (UK) - offshore to boundary of UKCS within 49°45'N to 61°N and 9°W to 2°E; onshore Great Britain (England, Wales and Scotland). Isle of Man onshore

```
Datum::fromSRID(Datum::EPSG_ORDNANCE_SURVEY_OF_GREAT_BRITAIN_1936)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6277')
```

Prior to 2002 fundamental point: Herstmonceux, Latitude: 50°51'55.271"N, longitude: 0°20'45.882"E, triangulation adjustment started 1936, completed 1962. From April 2002 the datum is defined through the application of the OSTN transformation from ETRS89.

The average accuracy of OSTN compared to the old triangulation network (down to 3rd order) is 0.1m. With the introduction of OSTN15, the area for OGSB36 has effectively been extended from Britain to cover the adjacent UK Continental Shelf.

1.8.622 Ostend

Type: Vertical
Extent: Belgium - onshore

```
Datum::fromSRID(Datum::EPSG_OSTEND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5110')
```

Mean low water at Ostend 1855-78 transferred to benchmark GIKMN at Uccle.

Realized through the second general levelling (DNG or TAW) 1981-1999.

1.8.623 Ostenfeld Intermediate Datum

Type: Geodetic
Extent: Denmark - onshore northern Schleswig and surrounding islands (i.e. Jutland south of the pre-1920 border near the Kongea river)

```
Datum::fromSRID(Datum::EPSG_OSTENFELD_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1350')
```

Origin of historic system is near the German village Ostenfeld. This Danish reconstruction defined/derived through inversion of an older transformation.

Created in 2022 to support intermediate CRS OS-IRF in the transformation of coordinates between the historic Ostenfeld system of Prussia and ETRS89. The data are reconstructions based on information synthesized in historical empirical transformations.

1.8.624 OxWo08 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Oxford to Worcester

```
Datum::fromSRID(Datum::EPSG_OXWO08_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1344')
```

Defined through the application of the OxWo08 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS OxWo08-IRF in the emulation of the OxWo08 Snake map projection.

1.8.625 PDO Height Datum 1993

Type: Vertical
Extent: Oman - onshore. Includes Musandam and the Kuria Muria (Al Hallaniyah) islands

```
Datum::fromSRID(Datum::EPSG_PDO_HEIGHT_DATUM_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5123')
```

Misclosure between Muscat and Salalah less than .5 meters with differences from of up to 5 meters from old Fahud Datum. The PHD93 adjustment was initially known as the Spine. Replaces Fahud Vertical Datum (code 5124) from 1993.

1.8.626 PDO Survey Datum 1993

Type: Geodetic
Extent: Oman - onshore. Includes Musandam and the Kuria Muria (Al Hallaniyah) islands

```
Datum::fromSRID(Datum::EPSG_PDO_SURVEY_DATUM_1993)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6134')
```

Adjustment best fitted to Fahud network.

Replaces Fahud datum (code 6232). Maximum differences to Fahud adjustment are 20 metres.

1.8.627 PNG08

Type: Vertical
Extent: Papua New Guinea - between 0°N and 12°S and 140°E and 158°E - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_PNG08)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1149')
```

Mean sea level at 8 tide gauges around PNG, defined through application of PNG08 geoid model (transformation code 7655) to PNG94 (CRS code 5545).

1.8.628 Palestine 1923

Type: Geodetic
Extent: Israel - onshore; Jordan; Palestine Territory - onshore

```
Datum::fromSRID(Datum::EPSG_PALESTINE_1923)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6281')
```

Fundamental point: Point 82'M Jerusalem. Latitude: 31°44' 2.749"N, longitude: 35°12'43.490"E (of Greenwich).

1.8.629 Pampa del Castillo

Type: Geodetic
Extent: Argentina - Chibut province south of approximately 42°30'S and Santa Cruz province north of approximately 50°20'S

```
Datum::fromSRID(Datum::EPSG_PAMPA_DEL_CASTILLO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6161')
```

Replaced by Campo Inchauspe (code 6221) for topographic mapping, use for oil exploration and production in Golfo San Jorge basin (44°S to 47.5°S) continues.

1.8.630 Panama-Colon 1911

Type: Geodetic
Extent: Panama - onshore

```
Datum::fromSRID(Datum::EPSG_PANAMA_COLON_1911)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1072')
```

Fundamental point: Balboa Hill. Latitude: 09°04'57.637"N, longtitude: 79°43'50.313"W.

Reports of the existence of an Ancon datum are probably erroneous, considering that the origin of the Panamá-Colón Datum of 1911 is at Balboa Hill and the access road up the hill is from the town of Ancon, Canal Zone.

1.8.631 Papua New Guinea Geodetic Datum 1994

Type: Geodetic
Extent: Papua New Guinea - onshore and offshore. Includes Bismark archipelago, Louisade archipelago, Admiralty Islands, d'Entrecasteaux Islands, northern Solomon Islands, Trobriand Islands, New Britain, New Ireland, Woodlark, and associated islands

```
Datum::fromSRID(Datum::EPSG_PAPUA_NEW_GUINEA_GEODETIC_DATUM_1994)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1076')
```

ITRF92 at epoch 1994.0.

Adopted 1996. Coincident with WGS 84 in 1994 but rapidly divergent due to significant tectonic motion in PNG.

1.8.632 Parametry Zemli 1990

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_PARAMETRY_ZEMLI_1990)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6740')
```

Defined through coordinates of stations of the satellite geodetic network (SGN) in Russia at epoch 1990.0.

Replaced by PZ-90.02 from 2007-09-20.

1.8.633 Parametry Zemli 1990.02

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_PARAMETRY_ZEMLI_1990_02)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1157')
```

Defined through coordinates of 33 stations of the satellite geodetic network (SGN) in Russia and Antarctica adjusted to a subset of 14 IGS stations in Russia at epoch 2002.0. The IGS station coordinates are considered to be equivalent to ITRF2000.

Replaces PZ-90 from 2007-09-20. Replaced by PZ-90.11 from 2014-01-15.

1.8.634 Parametry Zemli 1990.11

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_PARAMETRY_ZEMLI_1990_11)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1158')
```

Defined through coordinates of 33 stations of the satellite geodetic network (SGN) in Russia and Antarctica adjusted to a subset of 14 IGS stations in Russia at epoch 2010.0. The IGS station coordinates are considered to be equivalent to ITRF2008.

Replaces PZ-90.02 from 2014-01-15.

1.8.635 Peru96

Type: Geodetic
Extent: Peru - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_PERU96)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1067')
```

Densification of SIRGAS95 network (ITRF94 at epoch 1995.4) in Peru, consisting of 47 passive geodetic stations and 3 continuous recording GPS stations.

Densification of SIRGAS 1995 within Peru. Replaces PSAD56 (datum code 6248) in Peru.

1.8.636 Petrels 1972

Type: Geodetic
Extent: Antarctica - Adelie Land - Petrels island

```
Datum::fromSRID(Datum::EPSG_PETRELS_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6636')
```

Fundamental point: Astro station DZ on Ile de Petrels. Latitude: 66°40'00"S, longitude: 140°00'46"E (of Greenwich).

1.8.637 Philippine Reference System 1992

Type: Geodetic
Extent: Philippines - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_PHILIPPINE_REFERENCE_SYSTEM_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6683')
```

Fundamental point: Balacan. Latitude: 13°33'41.000"N, longitude: 121°52'03.000"E (of Greenwich), geoid-ellipsoid separation 0.34m.

Replaces Luzon 1911 datum (code 6253).

1.8.638 Phoenix Islands 1966

Type: Geodetic
Extent: Kiribati - Phoenix Islands: Kanton, Orona, McKean Atoll, Birnie Atoll, Phoenix Seamounts

```
Datum::fromSRID(Datum::EPSG_PHOENIX_ISLANDS_1966)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6716')
```

1.8.639 Pico de las Nieves 1968

Type: Geodetic
Extent: Spain - Canary Islands onshore

```
Datum::fromSRID(Datum::EPSG_PICO_DE_LAS_NIEVES_1968)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1286')
```

Pico de las Nieves mountain, Gran Canaria. The fundamental point is a different station to that for PN84.

Replaced by PN84 only on western islands (El Hierro, La Gomera, La Palma and Tenerife). Both PN68 and PN84 replaced by REGCAN95.

1.8.640 Pico de las Nieves 1984

Type: Geodetic
Extent: Spain - Canary Islands - El Hierro, La Gomera, La Palma and Tenerife - onshore

```
Datum::fromSRID(Datum::EPSG_PICO_DE_LAS_NIEVES_1984)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6728')
```

Pico de las Nieves mountain, Gran Canaria. The fundamental point is a different station to that for PN68.

Replaces Pico de las Nieves 1968 (PN68) only on western islands (El Hierro, La Gomera, La Palma and Tenerife). Replaced by REGCAN95.

1.8.641 Piraeus Harbour 1986

Type: Vertical
Extent: Greece - onshore

```
Datum::fromSRID(Datum::EPSG_PIRAEUS_HARBOUR_1986)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5115')
```

MSL determined during 1986.

1.8.642 Pitcairn 1967

Type: Geodetic
Extent: Pitcairn - Pitcairn Island

```
Datum::fromSRID(Datum::EPSG_PITCAIRN_1967)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6729')
```

Fundamental point: Pitcairn Astro. Latitude: 25°04’06.87”S, longitude: 130°06’47.83”W (of Greenwich).

Replaced by Pitcairn 2006.

1.8.643 Pitcairn 2006

Type: Geodetic
Extent: Pitcairn - Pitcairn Island

```
Datum::fromSRID(Datum::EPSG_PITCAIRN_2006)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6763')
```

Fundamental point: Pitcairn Astro. Latitude: 25°04'06.7894"S, longitude: 130°06'46.6816"W (of Greenwich), derived by single point GPS oberservations.

Replaces Pitcairn 1967.

1.8.644 Point 58

Type: Geodetic
Extent: Senegal - central, Mali - southwest, Burkina Faso - central, Niger - southwest, Nigeria - north, Chad - central. All in proximity to the parallel of latitude of 12°N

```
Datum::fromSRID(Datum::EPSG_POINT_58)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6620')
```

Fundamental point: Point 58. Latitude: 12°52'44.045"N, longitude: 3°58'37.040"E (of Greenwich).

Used as the basis for computation of the 12th Parallel traverse conducted 1966-70 from Senegal to Chad and connecting to the Blue Nile 1958 (Adindan) triangulation in Sudan.

1.8.645 Pointe Geologie Perroud 1950

Type: Geodetic
Extent: Antarctica - Adelie Land - coastal area between 136°E and 142°E

```
Datum::fromSRID(Datum::EPSG_POINTE_GEOLOGIE_PERROUD_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6637')
```

Fundamental point: Astro station G.0 on Pointe Geologie. Latitude: 66°39'30"S, longitude: 140°01'00"E (of Greenwich).

1.8.646 Ponta Delgada

Type: Vertical
Extent: Portugal - eastern Azores - Sao Miguel island onshore

```
Datum::fromSRID(Datum::EPSG_PONTA_DELGADA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1110')
```

Mean Sea Level during 1991 at Ponta Delgada.

Orthometric heights.

1.8.647 Poolbeg

Type: Vertical
Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_POOLBEG)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5152')
```

Low water mark of the spring tide on the 8 April 1837 at Poolbeg Lighthouse, Dublin.

Topographic mapping before 1956 in Northern Ireland and 1970 in the Republic of Ireland. Replaced by Belfast Lough and Malin Head (datum codes 5130-31).

1.8.648 Port Moresby 1996

Type: Vertical
Extent: Papua New Guinea - onshore - Gulf province east of 144°24'E, Central province and National Capital District

```
Datum::fromSRID(Datum::EPSG_PORT_MORESBY_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1171')
```

BM198 (adjacent to the Port Moresby tide gauge) height of 3.02 above MSL as determined by CSIRO in 1990. Propagated through bilinear interpolation of EGM96 geoid model (transformation code 10084) reduced by offset of -1.58m.

Offset has been determined by static GNSS estimation of ellipsoid height of BM198.

1.8.649 Port Moresby 2008

Type: Vertical
Extent: Papua New Guinea - onshore - Gulf province east of 144°24'E, Central province and National Capital District

```
Datum::fromSRID(Datum::EPSG_PORT_MORESBY_2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1172')
```

BM198 (adjacent to the Port Moresby tide gauge) height of 3.02 above MSL as determined by CSIRO in 1990. Propagated through bilinear interpolation of EGM2008 geoid model (transformation code 3858 or 3859) reduced by offset of -0.93m.

Offset has been determined by static GNSS estimation of ellipsoid height of BM198 validated to a precision of 10 cm by short period tidal observations at Kerema wharf in 2010.

1.8.650 Porto Santo 1936

Type: Geodetic
Extent: Portugal - Madeira, Porto Santo and Desertas islands - onshore

```
Datum::fromSRID(Datum::EPSG_PORTO_SANTO_1936)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6615')
```

SE Base on Porto Santo island.

Replaced by 1995 adjustment (datum code 6663). For Selvagens see Selvagem Grande (code 6616).

1.8.651 Porto Santo 1995

Type: Geodetic
Extent: Portugal - Madeira, Porto Santo and Desertas islands - onshore

```
Datum::fromSRID(Datum::EPSG_PORTO_SANTO_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6663')
```

SE Base on Porto Santo island. Origin and orientation constrained to those of the 1936 adjustment.

Classical and GPS observations. Replaces 1936 adjustment (datum code 6615). For Selvagens see Selvagem Grande (datum code 6616).

1.8.652 Posiciones Geodesicas Argentinas 1994

Type: Geodetic
Extent: Argentina - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_POSICIONES_GEODESICAS_ARGENTINAS_1994)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6694')
```

WGS 84 coordinates at time of survey of a geodetic network of 127 points defining the National Geodetic System (Sistema Geodésico Nacional). Surveyed between February and April 1993 and between March and May 1994.

Adopted as defining the National Geodetic Reference Network from 9th May 1997. Technically, but not legally, replaced by POSGAR 98 (datum code 6190) until 15th May 2009 when legally replaced by POSGAR 2007 (datum code 1062).

1.8.653 Posiciones Geodesicas Argentinas 1998

Type: Geodetic
Extent: Argentina - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_POSICIONES_GEODESICAS_ARGENTINAS_1998)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6190')
```

A geodetic network of 136 high accuracy surveyed points. Densification of SIRGAS 1995; ITRF94 at epoch 1995.4.

Replaced POSGAR 1994 (datum code 6694) for technical, but not legal, purposes. Replaced by POSGAR 2007 (datum code 1062) from May 2009.

1.8.654 Posiciones Geodesicas Argentinas 2007

Type: Geodetic
Extent: Argentina - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_POSICIONES_GEODESICAS_ARGENTINAS_2007)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1062')
```

Coordinates of the geodetic network of 211 high accuracy surveyed points (178 passive and 33 continuously operating) defining the National Geodetic System (Sistema Geodésico Nacional) based on ITRF2005 at epoch 2006.632.

Adopted by order of the Director of the National Geographic Institute on 15th May 2009 as the new National Geodetic Reference Frame. Replaces POSGAR 94.

1.8.655 Potsdam Datum/83

Type: Geodetic
Extent: Germany - Thuringen

```
Datum::fromSRID(Datum::EPSG_POTSDAM_DATUM_83)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6746')
```

Fundamental point: Rauenberg. Latitude: 52°27'12.021"N, longitude: 13°22'04.928"E (of Greenwich). This station was destroyed in 1910 and the station at Potsdam substituted as the fundamental point.

PD/83 is the realization of DHDN in Thuringen. It is the resultant of applying a transformation derived at 13 points on the border between East and West Germany to Pulkovo 1942/83 points in Thuringen.

1.8.656 Principe

Type: Geodetic
Extent: Sao Tome and Principe - onshore - Principe

```
Datum::fromSRID(Datum::EPSG_PRINCIPE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1046')
```

Fundamental point: Morro do Papagaio. Latitude: 1°36'46.87"N, longitude: 7°23'39.65"E (of Greenwich).

1.8.657 Provisional South American Datum 1956

Type: Geodetic
Extent: Aruba - onshore; Bolivia; Bonaire - onshore; Brazil - offshore - Amazon Cone shelf; Chile - onshore north of 43°30'S; Curacao - onshore; Ecuador - mainland onshore; Guyana - onshore; Peru - onshore; Venezuela - onshore

```
Datum::fromSRID(Datum::EPSG_PROVISIONAL_SOUTH_AMERICAN_DATUM_1956)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6248')
```

Fundamental point: La Canoa. Latitude: 8°34'17.170"N, longitude: 63°51'34.880"W (of Greenwich).

Same origin as La Canoa datum.

1.8.658 Puerto Rico

Type: Geodetic
Extent: Puerto Rico, US Virgin Islands and British Virgin Islands - onshore

```
Datum::fromSRID(Datum::EPSG_PUERTO_RICO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6139')
```

Fundamental point: Cardona Island Lighthouse. Latitude:17°57'31.40"N, longitude: 66°38'07.53"W (of Greenwich).

NADCON conversion program provides transformation from Puerto Rico Datum to NAD83 (original 1986 realization) but making the transformation appear to user as if from NAD27.

1.8.659 Puerto Rico Vertical Datum of 2002

Type: Vertical
Extent: Puerto Rico - onshore

```
Datum::fromSRID(Datum::EPSG_PUERTO_RICO_VERTICAL_DATUM_OF_2002)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1123')
```

Mean sea level at San Juan. Benchmark 9756371 A TIDAL = 1.334m relative to National Tidal Datum Epoch 1960-1978.

Replaces all earlier vertical datums for Puerto Rico.

1.8.660 Pulkovo 1942

Type: Geodetic
Extent: Armenia; Azerbaijan; Belarus; Estonia - onshore; Georgia - onshore; Kazakhstan; Kyrgyzstan; Latvia - onshore; Lithuania - onshore; Moldova; Russian Federation - onshore; Tajikistan; Turkmenistan; Ukraine - onshore; Uzbekistan

```
Datum::fromSRID(Datum::EPSG_PULKOVO_1942)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6284')
```

Fundamental point: Pulkovo observatory. Latitude: 59°46'18.550"N, longitude: 30°19'42.090"E (of Greenwich).

1.8.661 Pulkovo 1942(58)

Type: Geodetic
Extent: Onshore: Bulgaria, Czechia, Germany (former DDR), Hungary, Poland and Slovakia. Onshore and offshore: Albania and Romania

```
Datum::fromSRID(Datum::EPSG_PULKOVO_1942_58)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6179')
```

Fundamental point: Pulkovo observatory. Latitude: 59°46'18.550"N, longitude: 30°19'42.090"E (of Greenwich).

1956 international adjustment of Uniform Astro-Geodetic Network of countries of central and eastern Europe. Locally densified during 1957 and 1958.

1.8.662 Pulkovo 1942(83)

Type: Geodetic
Extent: Onshore Bulgaria, Czechia, Germany (former DDR), Hungary and Slovakia

```
Datum::fromSRID(Datum::EPSG_PULKOVO_1942_83)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6178')
```

Fundamental point: Pulkovo observatory. Latitude: 59°46'18.550"N, longitude: 30°19'42.090"E (of Greenwich).

1983 international adjustment of Uniform Astro-Geodetic Network of countries of central and eastern Europe.

1.8.663 Pulkovo 1995

Type: Geodetic
Extent: Russian Federation - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_PULKOVO_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6200')
```

Fundamental point: Pulkovo observatory. Latitude: 59°46'15.359"N, longitude: 30°19'28.318"E (of Greenwich).

1.8.664 Qatar 1948

Type: Geodetic
Extent: Qatar - onshore

```
Datum::fromSRID(Datum::EPSG_QATAR_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6286')
```

Fundamental point: Sokey 0 M. Latitude: 25°22'56.500"N, longitude: 50°45'41.000"E (of Greenwich).

1.8.665 Qatar 1974

Type: Geodetic
Extent: Qatar - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_QATAR_1974)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6285')
```

Fundamental point: Station G3.

1.8.666 Qatar National Datum 1995

Type: Geodetic
Extent: Qatar - onshore

```
Datum::fromSRID(Datum::EPSG_QATAR_NATIONAL_DATUM_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6614')
```

Defined by transformation from WGS 84 - see coordinate operation code 1840.

1.8.667 Qornoq 1927

Type: Geodetic
Extent: Greenland - west coast onshore

```
Datum::fromSRID(Datum::EPSG_QORNOQ_1927)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6194')
```

Fundamental point: Station 7008. Latitude: 64°31'06.27"N, longitude: 51°12'24.86"W (of Greenwich).

1.8.668 RBEPP12 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Reading via Newbury to Penzance

```
Datum::fromSRID(Datum::EPSG_RBEPP12_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1352')
```

Defined through the application of the RBEPP12 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS RBEPP12-IRF in the emulation of the RBEPP12 Snake map projection.

1.8.669 Raiatea SAU 2001

Type: Vertical
Extent: French Polynesia - Society Islands - Raiatea

```
Datum::fromSRID(Datum::EPSG_RAIATEA_SAU_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5198')
```

Fundamental benchmark: RN1

Included as part of NGPF - see datum code 5195.

1.8.670 Ras Ghumays

Type: Vertical
Extent: United Arab Emirates (UAE) - Abu Dhabi onshore

```
Datum::fromSRID(Datum::EPSG_RAS_GHUMAYS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1146')
```

Mean Sea Level at Ras Ghumays 1978 and 1979.

Orthometric heights.

1.8.671 Rassadiran

Type: Geodetic
Extent: Iran - Taheri refinery site

```
Datum::fromSRID(Datum::EPSG_RASSADIRAN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6153')
```

Fundamental point: Total1. Latitude: 27°31'07.784"N, longitude: 52°36'12.741"E (of Greenwich).

1.8.672 Rauenberg Datum/83

Type: Geodetic
Extent: Germany - Sachsen

```
Datum::fromSRID(Datum::EPSG_RAUENBERG_DATUM_83)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6745')
```

Fundamental point: Rauenberg. Latitude: 52°27'12.021"N, longitude: 13°22'04.928"E (of Greenwich). This station was destroyed in 1910 and the station at Potsdam substituted as the fundamental point.

RD/83 is the realization of DHDN in Saxony. It is the resultant of applying a transformation derived at 106 points throughout former East Germany to Pulkovo 1942/83 points in Saxony.

1.8.673 Red Geodesica Para Mineria en Chile

Type: Dynamic geodetic
Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Datum::fromSRID(Datum::EPSG_RED_GEODESICA_PARA_MINERIA_EN_CHILE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1304')
```

Realized through 26 stations in the IGS (SIRGAS-CON) active reference station network in Chile.

1.8.674 Red Geodesica Venezolana

Type: Geodetic
Extent: Venezuela - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RED_GEODESICA_VENEZOLANA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6189')
```

Realised by a frame of 67 stations observed in 1995 as a densification of the SIRGAS campaign and adjusted in the ITRF94 at epoch 1995.4.

1.8.675 Red Geodesica de Canarias 1995

Type: Geodetic
Extent: Spain - Canary Islands onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RED_GEODESICA_DE_CANARIAS_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1035')
```

ITRF93 at epoch 1994.9 at VLBI station INTA at the Canary Spatial Centre (CEC) at Maspalomas on Grand Canary.

Replaces Pico de las Nieves 1968 (PN68) and Pico de las Nieves 1984 (PN84).

1.8.676 Reference System de Angola 2013

Type: Geodetic
Extent: Angola - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_REFERENCE_SYSTEM_DE_ANGOLA_2013)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1220')
```

Network of 18 stations throughout Angola referenced to ITRF2008 @ 2010.90.

Established through daily PPP solutions in GPS week G1610.

1.8.677 Reseau Geodesique Francais 1993 v1

Type: Geodetic
Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_FRANCAIS_1993_V1)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6171')
```

Coincident with ETRS89 at epoch 1993.0. Derived from long-term GNSS observations at 23 points aligned to ETRF93 @ 1993.0 through fundamental points at Grasse, Toulouse and Brest. Network supplemented in 1994 and 1995 by approx. 1000 additional stations.

RGF93 v1 is a realization of ETRS89. Replaced by RGF93 v2 (datum code 1312) from 2010-06-18.

1.8.678 Reseau Geodesique Francais 1993 v2

Type: Geodetic
Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_FRANCAIS_1993_V2)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1312')
```

Aligned with ETRF2000 at epoch 2009.0. Based on the French GNSS permanent network (RGP) from 1998 to 2009, and the re-observation of the geodetic points of the French Reference Network (RRF) and French Base Network (RBF) from 2000 to 2011.

RGF93 v2 is a realization of ETRS89. Replaces RGF93 v1 (datum code 6171) from 2010-06-18. Replaced by RGF93 v2b (datum code 1313) from 2021-01-05.

1.8.679 Reseau Geodesique Francais 1993 v2b

Type: Geodetic

Extent: France - onshore and offshore, mainland and Corsica (France métropolitaine including Corsica)

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_FRANCAIS_1993_V2B)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1313')
```

Aligned with ETRF2000 at epoch 2019.0. Derived through reprocessing of the French GNSS permanent network (RGP) in IGS14.

RGF93 v2b is a realization of ETRS89. Third realization of RGF93. Replaces RGF93 v2 (datum code 1312) from 2021-01-05.

1.8.680 Reseau Geodesique Francais Guyane 1995

Type: Geodetic

Extent: French Guiana - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_FRANCAIS_GUYANE_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6624')
```

ITRF93 at epoch 1995.0

Replaces CSG67 (datum code 6623).

1.8.681 Reseau Geodesique de Mayotte 2004

Type: Geodetic

Extent: Mayotte - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_MAYOTTE_2004)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1036')
```

ITRF2000 at epoch 2004.0

Replaces Combani 1950 (datum code 6632) except for cadastral purposes. (Cadastre 1997 (datum code 1037) used for cadastral purposes).

1.8.682 Reseau Geodesique de Nouvelle Caledonie 2015

Type: Geodetic
Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_NOUVELLE_CALEDONIE_2015)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1357')
```

Aligned with ITRF2008 at epoch 2015.0.

Replaces RGNC91-93.

1.8.683 Reseau Geodesique de Nouvelle Caledonie 91-93

Type: Geodetic
Extent: New Caledonia - onshore and offshore. Isle de Pins, Loyalty Islands, Huon Islands, Belep archipelago, Chesterfield Islands, and Walpole

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_NOUVELLE_CALEDONIE_91_93)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6749')
```

ITRF90 at epoch 1989.0.

Replaced by RGNC15 (datum code 1357).

1.8.684 Reseau Geodesique de Saint Pierre et Miquelon 2006

Type: Geodetic
Extent: St Pierre and Miquelon - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_SAINT_PIERRE_ET_MIQUELON_2006)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1038')
```

ITRF2000 at epoch 2006.0

Replaces Saint Pierre et Miquelon 1950 (datum code 6638).

1.8.685 Reseau Geodesique de Wallis et Futuna 1996

Type: Geodetic
Extent: Wallis and Futuna - onshore and offshore - Uvea, Futuna, and Alofi

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_WALLIS_ET_FUTUNA_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1223')
```

Coincident with ITRF94 at epoch 1993.00.

1.8.686 Reseau Geodesique de la Polynesie Francaise

Type: Geodetic
Extent: French Polynesia - onshore and offshore. Includes Society archipelago, Tuamotu archipelago, Marquesas Islands, Gambier Islands and Austral Islands

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_LA_POLYNESIE_FRANCAISE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6687')
```

ITRF92 at epoch 1993.0. Densification by GPS of the Reference Network of French Polynesia, a coordinate set of 13 stations determined through DORIS observations.

Replaces Tahaa 54 (datum code 6629), IGN 63 Hiva Oa (6689), IGN 72 Nuku Hiva (6630), Maupiti 83 (6692), MHEFO 55 (6688), Moorea 87 (6691) and Tahiti 79 (6690).

1.8.687 Reseau Geodesique de la RDC 2005

Type: Geodetic
Extent: The Democratic Republic of the Congo (Zaire) - south of a line through Bandundu, Seke and Pweto - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_LA_RDC_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1033')
```

ITRF2000 at epoch 2005.4.

1.8.688 Reseau Geodesique de la Reunion 1992

Type: Geodetic
Extent: Reunion - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DE_LA_REUNION_1992)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6627')
```

ITRF91 at epoch 1993.0

Replaces Piton des Neiges (code 6626).

1.8.689 Reseau Geodesique des Antilles Francaises 2009

Type: Geodetic
Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DES_ANTILLES_FRANCAISES_2009)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1073')
```

ITRF2005 at epoch 2009.0

Replaces RRAF91 in Martinique and Guadeloupe.

1.8.690 Reseau Geodesique des Terres Australes et Antarctiques Francaises 2007

Type: Geodetic
Extent: French Southern Territories - onshore and offshore: Amsterdam and St Paul, Crozet, Europa and Kerguelen. Antarctica - Adelie Land coastal area

```
Datum::fromSRID(Datum::EPSG_RESEAU_GEODESIQUE_DES_TERRES_AUSTRALES_ET_ANTARCTIQUES_
↪FRANCAISES_2007)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1113')
```

ITRF2005 at epoch 2007.274

Replaces IGN 1963-64 on Amsterdam, Saint-Paul 1969 on St Paul, IGN64 on Crozet, MHM 1954 on Europa, IGN 1962 on Kerguelen, and Petrels 1972 and Perroud 1950 in Adelie Land.

1.8.691 Reseau National Belge 1950

Type: Geodetic
Extent: Belgium - onshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_NATIONAL_BELGE_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6215')
```

Fundamental point: Lommel (tower). Latitude: 51°13'47.334"N, longitude: 5°18'49.483"E (of Greenwich).

1.8.692 Reseau National Belge 1950 (Brussels)

Type: Geodetic
Extent: Belgium - onshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_NATIONAL_BELGE_1950_BRUSSELS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6809')
```

Fundamental point: Lommel (tower). Latitude: 51°13'47.334"N, longitude: 0°56'44.773"E (of Brussels).

1.8.693 Reseau National Belge 1972

Type: Geodetic
Extent: Belgium - onshore

```
Datum::fromSRID(Datum::EPSG_RESEAU_NATIONAL_BELGE_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6313')
```

Fundamental point: Uccle observatory. Latitude: 50°47'57.704"N, longitude: 4°21'24.983"E (of Greenwich).

1.8.694 Reseau de Reference des Antilles Francaises 1991

Type: Geodetic
Extent: French Antilles onshore and offshore - Guadeloupe (including Grande Terre, Basse Terre, Marie Galante, Les Saintes, Iles de la Petite Terre, La Desirade); Martinique; St Barthélemy; St Martin

```
Datum::fromSRID(Datum::EPSG_RESEAU_DE_REFERENCE_DES_ANTILLES_FRANCAISES_1991)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1047')
```

WGS 84 coordinates of a single station determined during the 1988 Tango mission.

Replaces Fort Marigot and Sainte Anne (datum codes 6621-22) in Guadeloupe and Fort Desaix (datum code 6625) in Martinique. Replaced by Reseau Geodesique des Antilles Francaises 2009 (datum code 1073).

1.8.695 Rete Dinamica Nazionale 2008

Type: Geodetic
Extent: Italy - onshore and offshore; San Marino, Vatican City State

```
Datum::fromSRID(Datum::EPSG_RETE_DINAMICA_NAZIONALE_2008)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1132')
```

Italian densification of ETRS89 realised through network of 99 permanent reference stations in ETRF2000@2008.0.

Adopted as official Italian reference datum 10/11/2011. Replaces IGM95 (datum code 6670).

1.8.696 Reunion 1947

Type: Geodetic
Extent: Reunion - onshore

```
Datum::fromSRID(Datum::EPSG_REUNION_1947)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6626')
```

Fundamental point: Piton des Neiges (Borne). Latitude: 21°05'13.119"S, longitude: 55°29'09.193"E (of Greenwich).

Replaced by RGR92 (datum code 6627).

1.8.697 Reunion 1989

Type: Vertical
Extent: Reunion - onshore

```
Datum::fromSRID(Datum::EPSG_REUNION_1989)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5156')
```

Mean sea level during part of November 1949 at port of Saint-Pierre. Origin = marker AB-100 with defined elevation of 13.808m above msl.

Orthometric heights. Replaces Reunion IGN58. Value of marker AB-100 retains height from 1958 adjustment.

1.8.698 Reykjavik 1900

Type: Geodetic
Extent: Iceland - mainland

```
Datum::fromSRID(Datum::EPSG_REYKJAVIK_1900)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6657')
```

Fundamental point: Latitude: 64°08'31.88"N, longitude: 21°55'51.15"W (of Greenwich).

1.8.699 Rikets hojdsystem 1900

Type: Vertical
Extent: Sweden - onshore

```
Datum::fromSRID(Datum::EPSG_RIKETS_HOJDSYSTEM_1900)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5209')
```

Adjustment is referenced to mean sea level at Slussen, Stockholm.

Realized through the first precise levelling network of 1886-1905. Replaced by RH70.

1.8.700 Rikets hojdsystem 1970

Type: Vertical
Extent: Sweden - onshore

```
Datum::fromSRID(Datum::EPSG_RIKETS_HOJDSYSTEM_1970)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5117')
```

Adjustment is referenced to mean high tide at Amsterdams Peil in 1684. To account for land level movements caused by isostatic rebound, heights are reduced to epoch 1970.0 using uplift values computed from repeated levelling observations.

Realized through the second precise levelling network of 1951-1967. Uses Normal heights. Replaces RH00. Replaced in 2005 by RH2000.

1.8.701 Rikets hojdsystem 2000

Type: Vertical
Extent: Sweden - onshore

```
Datum::fromSRID(Datum::EPSG_RIKETS_HOJDSYSTEM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5208')
```

Adjustment is referenced to mean high tide at Amsterdams Peil in 1684. To account for land level movements caused by isostatic rebound, heights are reduced to epoch 2000.0 using values computed from the RH 2000 LU (=NKG2005LU) uplift model.

Realized through the third precise levelling network of 1979-2003. Adopted in 2005, replacing RH70. Uses Normal heights.

1.8.702 Rikets koordinatsystem 1990

Type: Geodetic
Extent: Sweden - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_RIKETS_KOORDINATSYSTEM_1990)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6124')
```

Replaces RT38 adjustment (datum code 6308)

1.8.703 Ross Sea Region Geodetic Datum 2000

Type: Geodetic
Extent: Antarctica - Ross Sea Region - nominally between 160°E and 150°W but includes buffer on eastern hemisphere margin to include Transantarctic Mountains

```
Datum::fromSRID(Datum::EPSG_ROSS_SEA_REGION_GEODETIC_DATUM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6764')
```

Based on ITRF96 at epoch 2000.0

1.8.704 SCM22 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the Scottish central mainline rail route from Motherwell through Perth and Pitlochry to Inverness

```
Datum::fromSRID(Datum::EPSG_SCM22_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1320')
```

Defined through the application of the SCM22 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS "SCM22-IRF" in the emulation of the SCM22 Snake map projection.

1.8.705 SIRGAS Continuously Operating Network DGF00P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF00P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1227')
```

Aligned to ITRF97 at epoch 2000.40. Realized by a frame of 31 continuously operating stations using GPS observations from June 1996 to February 2000. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

DGF00P01 is included in ITRF2000 as a regional densification for South America. Replaced by DGF01P01 (datum code 1228).

1.8.706 SIRGAS Continuously Operating Network DGF01P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF01P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1228')
```

Aligned to ITRF2000 at epoch 2000.00. Realized by a frame of 48 continuously operating stations using GPS observations from June 1996 to April 2001. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF00P01 (datum code 1227). Replaced by DGF01P02 (datum code 1229).

1.8.707 SIRGAS Continuously Operating Network DGF01P02

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF01P02)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1229')
```

Aligned to ITRF2000 at epoch 1998.40. Realized by a frame of 49 continuously operating stations using GPS observations from June 1996 to October 2001. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF01P01 (datum code 1228). Replaced by DGF02P01 (datum code 1230).

1.8.708 SIRGAS Continuously Operating Network DGF02P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF02P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1230')
```

Aligned to ITRF2000 at epoch 2000.00. Realized by a frame of 53 continuously operating stations using GPS observations from June 1996 to July 2002. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF01P02 (datum code 1229). Replaced by DGF04P01 (datum code 1331).

1.8.709 SIRGAS Continuously Operating Network DGF04P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF04P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1231')
```

Aligned to ITRF2000 at epoch 2003.00. Realized by a frame of 69 continuously operating stations using GPS observations from June 1996 to July 2004. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF02P01 (datum code 1230). Replaced by DGF05P01 (datum code 1232).

1.8.710 SIRGAS Continuously Operating Network DGF05P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF05P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1232')
```

Aligned to ITRF2000 at epoch 2004.00. Realized by a frame of 95 continuously operating stations using GPS observations from June 1996 to September 2005. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF04P01 (datum code 1231). Replaced by DGF06P01 (datum code 1233).

1.8.711 SIRGAS Continuously Operating Network DGF06P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF06P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1233')
```

Aligned to ITRF2000 at epoch 2004.00. Realized by a frame of 94 continuously operating stations using GPS observations from June 1996 to June 2006. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF05P01 (datum code 1232). Replaced by DGF07P01 (datum code 1234).

1.8.712 SIRGAS Continuously Operating Network DGF07P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF07P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1234')
```

Aligned to IGS05 at epoch 2004.50. Realized by a frame of 106 continuously operating stations using GPS observations in 3 periods between December 2001 and October 2007. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF06P01 (datum code 1233). Replaced by DGF08P01 (datum code 1235).

1.8.713 SIRGAS Continuously Operating Network DGF08P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_DGF08P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1235')
```

Aligned to IGS05 at epoch 2004.50. Realized by a frame of 126 continuously operating stations using GPS observations from December 2002 to March 2008. Velocity model VEMOS2003 used to propagate coordinates to the frame reference epoch.

Replaces DGF07P01 (datum code 1234). Replaced by SIR09P01 (datum code 1236).

1.8.714 SIRGAS Continuously Operating Network SIR09P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR09P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1236')
```

Aligned to IGS05 at epoch 2005.00. Realized by a frame of 128 continuously operating stations using GPS observations from January 2000 to January 2009. Velocity model VEMOS2009 used to propagate coordinates to the frame reference epoch.

Replaces DGF08P01 (datum code 1235). Replaced by SIR10P01 (datum code 1237).

1.8.715 SIRGAS Continuously Operating Network SIR10P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR10P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1237')
```

Aligned to ITRF08 at epoch 2005.00. Realized by a frame of 183 continuously operating stations using GPS observations from January 2000 to June 2010. Velocity model VEMOS2009 used to propagate coordinates to the frame reference epoch.

Replaces SIR09P01 (datum code 1236). Replaced by SIR11P01 (datum code 1238).

1.8.716 SIRGAS Continuously Operating Network SIR11P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR11P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1238')
```

Aligned to ITRF08 at epoch 2005.00. Realized by a frame of 230 continuously operating stations using GPS observations from January 2000 to April 2011. Velocity model VEMOS2009 used to propagate coordinates to the frame reference epoch.

Replaces SIR10P01 (datum code 1237). Replaced by SIR13P01 (datum code 1239). Last multi-year solution without the effects of the El Maule earthquake in February 2010.

1.8.717 SIRGAS Continuously Operating Network SIR13P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR13P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1239')
```

Aligned to IGb08 at epoch 2012.00. Realized by a frame of 108 continuously operating stations using GPS observations from April 2010 to June 2013. Velocity model VEMOS2009 used to propagate coordinates to the frame reference epoch.

Replaces SIR11P01 (datum code 1238). Replaced by SIR14P01 (datum code 1240). First multi-year solution after the El Maule earthquake of February 2010.

1.8.718 SIRGAS Continuously Operating Network SIR14P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR14P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1240')
```

Aligned to IGb08 at epoch 2013.00. Realized by a frame of 242 continuously operating stations using GNSS observations from April 2010 to July 2014. Velocity model VEMOS2009 used to propagate coordinates to the frame reference epoch.

Replaces SIR13P01 (datum code 1239). Replaced by SIR15P01 (datum code 1241).

1.8.719 SIRGAS Continuously Operating Network SIR15P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR15P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1241')
```

Aligned to IGb08 at epoch 2013.00. Realized by a frame of 303 continuously operating stations using GNSS observations from March 2010 to April 2015. Velocity model VEMOS2015 used to propagate coordinates to the frame reference epoch.

Replaces SIR14P01 (datum code 1240). Replaced by SIR17P01 (datum code 1242).

1.8.720 SIRGAS Continuously Operating Network SIR17P01

Type: Dynamic geodetic
Extent: Latin America - Central America and South America, onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CONTINUOUSLY_OPERATING_NETWORK_SIR17P01)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1242')
```

Aligned to IGS14 at epoch 2015.00. Realized by a frame of 345 continuously operating stations using GNSS observations from April 2011 to January 2017. Velocity model VEMOS2017 used to propagate coordinates to the frame reference epoch.

Replaces SIR15P01 (datum code 1241).

1.8.721 SIRGAS-Chile realization 1 epoch 2002

Type: Geodetic
Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CHILE_REALIZATION_1_EPOCH_2002)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1064')
```

ITRF2000 at epoch 2002.0. Densification of SIRGAS 2000 network in Chile, consisting of 650 monumented stations.

Densification of SIRGAS 2000 within Chile. Replaces PSAD56 (datum code 6248) in Chile, HITO XVIII (datum code 6254) in Chilean Tierra del Fuego and Easter Island 1967 (datum code 6719) in Easter Island. Replaced by SIRGAS-Chile 2010 (datum code 1243).

1.8.722 SIRGAS-Chile realization 2 epoch 2010

Type: Geodetic
Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CHILE_REALIZATION_2_EPOCH_2010)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1243')
```

IGS08 at epoch 2010.00. Densification of SIRGAS-CON network in Chile, consisting of 120 monumented stations.

Replaces SIRGAS-Chile realization 1 epoch 2002, following significant tectonic deformation. Replaced by SIRGAS-Chile realization 3 epoch 2013.

1.8.723 SIRGAS-Chile realization 3 epoch 2013

Type: Geodetic
Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CHILE_REALIZATION_3_EPOCH_2013)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1252')
```

IGb08 at epoch 2013.00. Densification of SIRGAS-CON network in Chile, consisting of 130 monumented stations.

Replaces SIRGAS-Chile realization 2 epoch 2010, following significant tectonic deformation. Replaced by SIRGAS-Chile realization 4 epoch 2016.

1.8.724 SIRGAS-Chile realization 4 epoch 2016

Type: Geodetic
Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CHILE_REALIZATION_4_EPOCH_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1253')
```

IGb08 at epoch 2016.00. Densification of SIRGAS-CON network in Chile, consisting of 200 monumented stations.

Replaces SIRGAS-Chile realization 3 epoch 2013. Replaced by SIRGAS-Chile realization 5 epoch 2021 due to significant tectonic deformation.

1.8.725 SIRGAS-Chile realization 5 epoch 2021

Type: Geodetic
Extent: Chile - onshore and offshore. Includes Easter Island, Juan Fernandez Islands, San Felix, and Sala y Gomez

```
Datum::fromSRID(Datum::EPSG_SIRGAS_CHILE_REALIZATION_5_EPOCH_2021)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1327')
```

Densification of SIRGAS-CON network in Chile, consisting of 97 stations forming the active CORS network (RGN) referenced to IGb2014 (ITRF2014) at epoch 2021.00. Passive stations used in previous realizations have been removed from this solution.

Replaces SIRGAS-Chile realization 4 epoch 2016 from August 2021 due to significant tectonic deformation. 24 additional active CORS used in this realization compared to that of 2016.

1.8.726 SIRGAS-ROU98

Type: Geodetic

Extent: Uruguay - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_ROU98)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1068')
```

Densification of SIRGAS95 network in Uruguay, consisting of 17 passive geodetic stations and 3 continuous recording GPS stations. ITRF94 at epoch 1995.4.

Densification of SIRGAS 1995 within Uruguay. Replaces Yacare (datum code 6309) in Uruguay. Uruguay documentation clearly states use of WGS 84 reference ellipsoid.

1.8.727 SIRGAS_ES2007.8

Type: Geodetic

Extent: El Salvador - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SIRGAS_ES2007_8)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1069')
```

ITRF2005 at epoch 2007.85. Densification of SIRGAS-CON network in El Salvador, consisting of 38 monumented stations.

SIRGAS-ES2007.8 is the national SIRGAS densification.

1.8.728 SMITB20 Intermediate Reference Frame

Type: Geodetic

Extent: United Kingdom (UK) - on or related to the rail route from Okehampton to Penstone

```
Datum::fromSRID(Datum::EPSG_SMITB20_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1351')
```

Defined through the application of the SMITB20 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS SMITB20-IRF in the emulation of the SMITB20 Snake map projection.

1.8.729 ST71 Belep

Type: Geodetic
Extent: New Caledonia - Belep

```
Datum::fromSRID(Datum::EPSG_ST71_BELEP)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6643')
```

1.8.730 ST84 Ile des Pins

Type: Geodetic
Extent: New Caledonia - Ile des Pins

```
Datum::fromSRID(Datum::EPSG_ST84_ILE_DES_PINS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6642')
```

Fundamental point: Pic Nga.

1.8.731 ST87 Ouvea

Type: Geodetic
Extent: New Caledonia - Loyalty Islands - Ouvea

```
Datum::fromSRID(Datum::EPSG_ST87_OUVEA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6750')
```

Ouloup.

1.8.732 SVY21

Type: Geodetic
Extent: Singapore - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SVY21)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6757')
```

Fundamental point: Base 7 at Pierce Reservoir. Latitude: 1°22'02.9154"N, longitude: 103°49'31.9752"E (of Greenwich).

Replaces Kertau 1968 for cadastral purposes from August 2004.

1.8.733 SWEREF99

Type: Geodetic
Extent: Sweden - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SWEREF99)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6619')
```

Densification of ETRS89.

The solution was calculated in ITRF97 epoch 1999.5, and has subsequently been corrected to ETRS89 in accordance with guidelines given by EUREF.

1.8.734 SYC20 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Crewe

```
Datum::fromSRID(Datum::EPSG_SYC20_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1345')
```

Defined through the application of the SYC20 NTv2 transformation to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS SYC20-IRF in the emulation of the SYC20 Snake map projection.

1.8.735 Saint Pierre et Miquelon 1950

Type: Geodetic
Extent: St Pierre and Miquelon - onshore

```
Datum::fromSRID(Datum::EPSG_SAINT_PIERRE_ET_MIQUELON_1950)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6638')
```

Replaced by RGSPM06 (datum code 1038).

1.8.736 Santa Cruz da Graciosa

Type: Vertical
Extent: Portugal - central Azores - Graciosa island onshore

```
Datum::fromSRID(Datum::EPSG_SANTA_CRUZ_DA_GRACIOSA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1106')
```

Mean Sea Level during 1938 at Santa Cruz da Graciosa.

Orthometric heights.

1.8.737 Santa Cruz das Flores

Type: Vertical
Extent: Portugal - western Azores onshore - Flores, Corvo

```
Datum::fromSRID(Datum::EPSG_SANTA_CRUZ_DAS_FLORES)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1108')
```

Mean Sea Level during 1965 at Santa Cruz das Flores.

Orthometric heights.

1.8.738 Santo 1965

Type: Geodetic
Extent: Vanuatu - northern islands - Aese, Ambrym, Aoba, Epi, Espiritu Santo, Maewo, Malo, Malkula, Paama, Pentecost, Shepherd and Tutuba

```
Datum::fromSRID(Datum::EPSG_SANTO_1965)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6730')
```

Datum covers all the major islands of Vanuatu in two different adjustment blocks, but practical usage is as given in the area of use.

1.8.739 Sao Tome

Type: Geodetic
Extent: Sao Tome and Principe - onshore - Sao Tome

```
Datum::fromSRID(Datum::EPSG_SAO_TOME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1044')
```

Fundamental point: Fortaleza. Latitude: 0°20’49.02”N, longitude: 6°44’41.85”E (of Greenwich).

1.8.740 Sapper Hill 1943

Type: Geodetic
Extent: Falkland Islands (Malvinas) - onshore

```
Datum::fromSRID(Datum::EPSG_SAPPER_HILL_1943)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6292')
```

1.8.741 Schwarzeck

Type: Geodetic
Extent: Namibia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SCHWARZECK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6293')
```

Fundamental point: Schwarzeck. Latitude: 22°45'35.820"S, longitude: 18°40'34.549"E (of Greenwich). Fixed during German South West Africa-British Bechuanaland boundary survey of 1898-1903.

1.8.742 Scoresbysund 1952

Type: Geodetic
Extent: Greenland - Scoresbysund area onshore

```
Datum::fromSRID(Datum::EPSG_SCORESBYSUND_1952)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6195')
```

1.8.743 Selvagem Grande

Type: Geodetic
Extent: Portugal - Selvagens islands (Madeira province) - onshore

```
Datum::fromSRID(Datum::EPSG_SELVAGEM_GRANDE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6616')
```

1.8.744 Serbian Reference Network 1998

Type: Geodetic
Extent: Serbia including Vojvodina

```
Datum::fromSRID(Datum::EPSG_SERBIAN_REFERENCE_NETWORK_1998)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1034')
```

Densification of ETRS89 in Serbia at epoch 1998.7 based on coordinates of 6 stations in Serbia of Yugoslav Reference Frame (YUREF) 1998 campaign.

Observed 1998-2003.

1.8.745 Serbian Spatial Reference System 2000

Type: Geodetic
Extent: Serbia including Vojvodina

```
Datum::fromSRID(Datum::EPSG_SERBIAN_SPATIAL_REFERENCE_SYSTEM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1214')
```

Densification of ETRF2000 in Serbia at epoch 2010.63.

Replaces SREF98.

1.8.746 Serbian Vertical Reference System 2012

Type: Vertical
Extent: Serbia including Vojvodina

```
Datum::fromSRID(Datum::EPSG_SERBIAN_VERTICAL_REFERENCE_SYSTEM_2012)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1216')
```

Mean sea level of Adriatic Sea in 1971.

Normal heights above quasi-geoid. In Serbia replaces Trieste (datum code 1050).

1.8.747 Serindung

Type: Geodetic
Extent: Indonesia - west Kalimantan - onshore coastal area

```
Datum::fromSRID(Datum::EPSG_SERINDUNG)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6295')
```

Fundamental point: Ep A. Latitude: 1°06'10.60"N, longitude: 105°00'59.82"E (of Greenwich).

1.8.748 ShAb07 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the rail route from Shrewsbury to Aberystwyth

```
Datum::fromSRID(Datum::EPSG_SHAB07_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1335')
```

Defined through the application of the ShAb07 NTv2 transformation (code 10186) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2022 to support intermediate CRS ShAb07-IRF in the emulation of the ShAb07 Snake map projection.

1.8.749 Sibun Gorge 1922

Type: Geodetic
Extent: Belize - onshore

```
Datum::fromSRID(Datum::EPSG_SIBUN_GORGE_1922)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1071')
```

Latitude: 17º03’40.471”N, longitude: 88º37’54.687”W.

1.8.750 Sierra Leone 1968

Type: Geodetic
Extent: Sierra Leone - onshore

```
Datum::fromSRID(Datum::EPSG_SIERRA_LEONE_1968)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6175')
```

Fundamental point: SLX2 Astro. Latitude: 8°27’17.567”N, longitude: 12°49’40.186”W (of Greenwich).

Extension and readjustment with additional observations of 1960 network. Coordinates of 1960 stations change by less than 3 metres.

1.8.751 Sierra Leone Colony 1924

Type: Geodetic
Extent: Sierra Leone - Freetown Peninsula

```
Datum::fromSRID(Datum::EPSG_SIERRA_LEONE_COLONY_1924)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6174')
```

Fundamental point: Kortright. Latitude: 8°28’44.4”N, longitude: 13°13’03.81”W (of Greenwich).

1.8.752 Singapore Height Datum

Type: Vertical
Extent: Singapore - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SINGAPORE_HEIGHT_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1140')
```

Mean sea level determined at Victoria Dock tide gauge 1935-1937.

Orthometric heights. Network readjusted in 2009.

1.8.753 Sistem Referensi Geospasial Indonesia 2013

Type: Dynamic geodetic
Extent: Indonesia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SISTEM_REFERENSI_GEOSPASIAL_INDONESIA_2013)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1293')
```

ITRF2008 at epoch 2012.0.

Semi-dynamic datum. Geometric element of geodetic control network (JKG). Replaces DGN95 and all older datums.

1.8.754 Sistema Geodesico Nacional de Panama MACARIO SOLIS

Type: Geodetic
Extent: Panama - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SISTEMA_GEODESICO_NACIONAL_DE_PANAMA_MACARIO_SOLIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1066')
```

ITRF2000 at epoch 2000.0. Densification of SIRGAS 2000 network in Panama, consisting of 20 GPS stations throughout the country.

1.8.755 Sistema de Referencia Geocentrico para America del Sur 1995

Type: Geodetic
Extent: South America - onshore and offshore. Ecuador (mainland and Galapagos) - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SISTEMA_DE_REFERENCIA_GEOCENTRICO_PARA_AMERICA_DEL_SUR_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6170')
```

ITRF94 at epoch 1995.4.

Realized by a frame of 58 stations observed in 1995 and adjusted in ITRF94. Provisional NIMA adjustment reference epoch was 1995.42 but final report accepted value is 1995.40. Replaced by SIRGAS 2000.

1.8.756 Sistema de Referencia Geocentrico para las AmericaS 2000

Type: Geodetic
Extent: Latin America - Central America and South America - onshore and offshore. Brazil - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SISTEMA_DE_REFERENCIA_GEOCENTRICO_PARA_LAS_AMERICAS_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6674')
```

ITRF2000 at epoch 2000.40.

Realized by a frame of 184 stations observed in 2000 and adjusted in the ITRF2000. Includes ties to tide gauges. Replaces SIRGAS 1995 system for South America; expands SIRGAS to Central America. Name changed in 2001 for use in all of Latin America.

1.8.757 Sistema de Referencia Vertical Nacional 2016

Type: Vertical
Extent: Argentina - onshore

```
Datum::fromSRID(Datum::EPSG_SISTEMA_DE_REFERENCIA_VERTICAL_NACIONAL_2016)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1260')
```

Mean Sea Level 1923 at Mar del Plata defined at station 71 (C = 121.64978 m^2s^-2) = 12.43m for mainland, Ushuaia station PF1N(383) (C = 38.427 m^2s^-2) = 3.915m for Tierra del Fuego. These geopotential numbers correspond with historic values.

Replaces SRVN71.

1.8.758 Sister Islands Geodetic Datum 1961

Type: Geodetic
Extent: Cayman Islands - Little Cayman and Cayman Brac

```
Datum::fromSRID(Datum::EPSG_SISTER_ISLANDS_GEODETIC_DATUM_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6726')
```

Fundamental point: LC5. Latitude: 19°39'46.324"N, longitude: 80°03'47.910"W (of Greenwich).

Replaced by CIGD11 (datum code 1100).

1.8.759 Slovenia Geodetic Datum 1996

Type: Geodetic
Extent: Slovenia - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SLOVENIA_GEODETIC_DATUM_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6765')
```

Densification of ETRS89, based on ITRS89 at epoch 1995.55.

1.8.760 Slovenian Vertical System 2000

Type: Vertical
Extent: Slovenia - onshore

```
Datum::fromSRID(Datum::EPSG_SLOVENIAN_VERTICAL_SYSTEM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5177')
```

Reference point Ruse defined relative to mean sea level at Trieste in 1875.

Normal-orthometric heights. Promulgated through the National Vertical Network adjustment of 1999.

1.8.761 Slovenian Vertical System 2010

Type: Vertical
Extent: Slovenia - onshore

```
Datum::fromSRID(Datum::EPSG_SLOVENIAN_VERTICAL_SYSTEM_2010)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1215')
```

Mean sea level at Koper over 18.6 years, selected epoch is 2010-10-10.

Normal heights. Replaces SVS2000 from 2019-01.

1.8.762 Solomon 1968

Type: Geodetic
Extent: Solomon Islands - onshore southern Solomon Islands, primarily Guadalcanal, Malaita, San Cristobel, Santa Isobel, Choiseul, Makira-Ulawa

```
Datum::fromSRID(Datum::EPSG_SOLOMON_1968)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6718')
```

Fundamental point: GUX 1.

1.8.763 Sonatrach Reference Frame 2020

Type: Geodetic
Extent: Algeria - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_SONATRACH_REFERENCE_FRAME_2020)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1355')
```

Aligned with IGS14 at epoch 2020.15. RGSH2020 primary network of 22 stations throughout Algeria connected to 15 IGS stations.

Internal accuracy of network is 6-8mm.

1.8.764 South Africa Land Levelling Datum

Type: Vertical
Extent: South Africa - mainland onshore

```
Datum::fromSRID(Datum::EPSG_SOUTH_AFRICA_LAND_LEVELLING_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1262')
```

Mean Sea Level at Cape Town harbour 1900 and 1907, referred to Datum Benchmark BM1.

Orthometric heights.

1.8.765 South American Datum 1969

Type: Geodetic
Extent: Brazil - onshore and offshore. In rest of South America - onshore north of approximately 45°S and Tierra del Fuego

```
Datum::fromSRID(Datum::EPSG_SOUTH_AMERICAN_DATUM_1969)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6618')
```

Fundamental point: Chua. Geodetic latitude: 19°45'41.6527"S; geodetic longitude: 48°06'04.0639"W (of Greenwich). (Astronomic coordinates: Latitude 19°45'41.34"S +/- 0.05", longitude 48°06'07.80"W +/- 0.08").

SAD69 uses GRS 1967 ellipsoid but with 1/f to exactly 2 decimal places. In Brazil only, replaced by SAD69(96) (datum code 1075).

1.8.766 South American Datum 1969(96)

Type: Geodetic
Extent: Brazil - onshore and offshore. Includes Rocas, Fernando de Noronha archipelago, Trindade, Ihlas Martim Vaz and Sao Pedro e Sao Paulo

```
Datum::fromSRID(Datum::EPSG_SOUTH_AMERICAN_DATUM_1969_96)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1075')
```

Fundamental point: Chua. Geodetic latitude: 19°45'41.6527"S; geodetic longitude: 48°06'04.0639"W (of Greenwich). (Astronomic coordinates: Latitude 19°45'41.34"S +/- 0.05", longitude 48°06'07.80"W +/- 0.08").

SAD69 uses GRS 1967 ellipsoid but with 1/f to exactly 2 decimal places. Replaces original 1969 adjustment (datum code 6618) in Brazil.

1.8.767 South East Island 1943

Type: Geodetic
Extent: Seychelles - Mahe, Silhouette, North, Aride Island, Praslin, La Digue and Frigate islands including adjacent smaller granitic islands on the Seychelles Bank, Bird Island and Denis Island

```
Datum::fromSRID(Datum::EPSG_SOUTH_EAST_ISLAND_1943)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1138')
```

Fundamental point: Challenger Astro near Port Victoria lighthouse. Latitude: 4°40'39.460"S, longitude: 55°32'00.166"E (of Greenwich).

Network readjusted in 1958-59 and extended to Bird and Denis islands in 1975.

1.8.768 South Georgia 1968

Type: Geodetic
Extent: South Georgia and the South Sandwich Islands - South Georgia onshore

```
Datum::fromSRID(Datum::EPSG_SOUTH_GEORGIA_1968)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6722')
```

Fundamental point: ISTS 061.

1.8.769 South Yemen

Type: Geodetic
Extent: Yemen - South Yemen onshore mainland

```
Datum::fromSRID(Datum::EPSG_SOUTH_YEMEN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6164')
```

1.8.770 Sri Lanka Datum 1999

Type: Geodetic
Extent: Sri Lanka - onshore

```
Datum::fromSRID(Datum::EPSG_SRI_LANKA_DATUM_1999)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1053')
```

Fundamental point: ISM Diyatalawa. Latitude: 6°49'02.687"N, longitude: 80°57'40.880"E.

Introduced in 2000.

1.8.771 Sri Lanka Vertical Datum

Type: Vertical
Extent: Sri Lanka - onshore

```
Datum::fromSRID(Datum::EPSG_SRI_LANKA_VERTICAL_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1054')
```

MSL at Colombo 1884-1889.

Normal-orthometric heights, but often referred to as “orthometric”.

1.8.772 St. George Island

Type: Geodetic
Extent: United States (USA) - Alaska - Pribilof Islands - St George Island

```
Datum::fromSRID(Datum::EPSG_ST_GEORGE_ISLAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6138')
```

Fundamental point latitude: 56°36’11.31”N, longitude: 169°32’36.00”W (of Greenwich).

Many Alaskan islands were never on NAD27 but rather on independent datums. NADCON conversion program provides transformation from St. George Island Datum to NAD83 (original 1986 realization) - making the transformation appear to user as if from NAD27.

1.8.773 St. Helena Geodetic Datum 2015

Type: Geodetic
Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Datum::fromSRID(Datum::EPSG_ST_HELENA_GEODETIC_DATUM_2015)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1174')
```

ITRF2008 at epoch 2015.0. ITRF2008 coordinates (15°56’33.1198”S, 5°40’02.4412”W, 453.183m ellipsoid height) of Longwood IGS CORS station STHL on 1st January 2015.

Developed by Richard Stanaway, Quickclose Pty Ltd, superseding Astro DOS 71 from 1st January 2016.

1.8.774 St. Helena Tritan

Type: Geodetic
Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Datum::fromSRID(Datum::EPSG_ST_HELENA_TRITAN)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1173')
```

WGS 84(G1150) at epoch 2011.773. WGS 84 coordinates (15°56'33.1217"S, 5°40'02.4436"W, 453.288m ellipsoid height) of Longwood IGS CORS station STHL on 9th October 2011

1.8.775 St. Helena Tritan Vertical Datum 2011

Type: Vertical
Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Datum::fromSRID(Datum::EPSG_ST_HELENA_TRITAN_VERTICAL_DATUM_2011)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1176')
```

MSL defined by Longwood IGS station STHL reference level of 436.215m.

Defined by offset of -17.073m applied to St. Helena Tritan ellipsiodal height (CRS code 7880).

1.8.776 St. Helena Vertical Datum 2015

Type: Vertical
Extent: St Helena, Ascension and Tristan da Cunha - St Helena Island - onshore

```
Datum::fromSRID(Datum::EPSG_ST_HELENA_VERTICAL_DATUM_2015)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1177')
```

Longwood IGS station STHL reference level of 436.312m.

Defined by SHGEOID15 geoid model (transformation code 7891) applied to SHGD2015 (CRS code 7885).

1.8.777 St. Kilda

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - St Kilda onshore

```
Datum::fromSRID(Datum::EPSG_ST_KILDA)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5145')
```

Orthometric heights.

1.8.778 St. Kitts 1955

Type: Geodetic
Extent: St Kitts and Nevis - onshore

```
Datum::fromSRID(Datum::EPSG_ST_KITTS_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6605')
```

Fundamental point: station K12.

1.8.779 St. Lawrence Island

Type: Geodetic
Extent: United States (USA) - Alaska - St Lawrence Island

```
Datum::fromSRID(Datum::EPSG_ST_LAWRENCE_ISLAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6136')
```

Many Alaskan islands were never on NAD27 but rather on independent datums. NADCON conversion program provides transformation from St. Lawrence Island Datum to NAD83 (original 1986 realization) - making the transformation appear to user as if from NAD27.

1.8.780 St. Lucia 1955

Type: Geodetic
Extent: St Lucia - onshore

```
Datum::fromSRID(Datum::EPSG_ST_LUCIA_1955)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6606')
```

Fundamental point: station DCS3.

1.8.781 St. Marys

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - England - Isles of Scilly onshore

```
Datum::fromSRID(Datum::EPSG_ST_MARYS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5147')
```

Mean Sea Level at St. Marys 1887. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Orthometric heights.

1.8.782 St. Paul Island

Type: Geodetic
Extent: United States (USA) - Alaska - Pribilof Islands - St Paul Island

```
Datum::fromSRID(Datum::EPSG_ST_PAUL_ISLAND)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6137')
```

Fundamental point latitude: 57°07'16.86"N, longitude: 170°16'24.00"W (of Greenwich).

Many Alaskan islands were never on NAD27 but rather on independent datums. NADCON conversion program provides transformation from St. Paul Island Datum to NAD83 (original 1986 realization) - making the transformation appear to user as if from NAD27.

1.8.783 St. Stephen (Ferro)

Type: Geodetic
Extent: Austria - Lower Austria. Czechia - Moravia and Czech Silesia

```
Datum::fromSRID(Datum::EPSG_ST_STEPHEN_FERRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1189')
```

Fundamental point: St. Stephen's cathedral, Vienna. Latitude: 48°12'31.54"N, longitude: 34°02'27.32"E (of Ferro).

1.8.784 St. Vincent 1945

Type: Geodetic
Extent: St Vincent and the northern Grenadine Islands - onshore

```
Datum::fromSRID(Datum::EPSG_ST_VINCENT_1945)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6607')
```

Fundamental point: station V1, Fort Charlotte.

1.8.785 Staatlichen Nivellementnetzes 1976

Type: Vertical
Extent: Germany - states of former East Germany - Berlin, Brandenburg; Mecklenburg-Vorpommern; Sachsen; Sachsen-Anhalt; Thuringen

```
Datum::fromSRID(Datum::EPSG_STAATLICHEN_NIVELLEMENTNETZES_1976)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5183')
```

Network adjusted in 1976. Height at reference point Hoppegarten defined as 1957 value from the UPLN adjustment. Datum at Kronstadt is mean sea level of Baltic in 1833.

Introduced in 1979. Uses Normal heights. Replaced by DHHN92.

1.8.786 Stewart Island 1977

Type: Vertical
Extent: New Zealand - Stewart Island

```
Datum::fromSRID(Datum::EPSG_STEWART_ISLAND_1977)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5170')
```

MSL at 3-5 high and low tides at two different locations.

1.8.787 Stockholm 1938

Type: Geodetic
Extent: Sweden - onshore

```
Datum::fromSRID(Datum::EPSG_STOCKHOLM_1938)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6308')
```

Fundamental point: Stockholm observatory.

Replaced by RT90 adjustment (datum code 6124)

1.8.788 Stockholm 1938 (Stockholm)

Type: Geodetic
Extent: Sweden - onshore

```
Datum::fromSRID(Datum::EPSG_STOCKHOLM_1938_STOCKHOLM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6814')
```

Fundamental point: Stockholm observatory

Replaced by RT90 adjustment (datum code 6124)

1.8.789 Stornoway

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Outer Hebrides onshore

```
Datum::fromSRID(Datum::EPSG_STORNOWAY)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5144')
```

Mean Sea Level at Stornoway 1977 correlated to pre-1900. Initially realised through levelling network adjustment, from 2002 redefined to be realised through OSGM geoid model.

Orthometric heights.

1.8.790 Sule Skerry

Type: Vertical
Extent: United Kingdom (UK) - Great Britain - Scotland - Sule Skerry onshore

```
Datum::fromSRID(Datum::EPSG_SULE_SKERRY)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5142')
```

Orthometric heights.

1.8.791 Svalbard vertical datum 2006

Type: Vertical
Extent: Arctic (Norway (Svalbard) onshore and offshore) - between 81°10'N and 76°10'N

```
Datum::fromSRID(Datum::EPSG_SVALBARD_VERTICAL_DATUM_2006)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1323')
```

Mean Sea Level (MSL) at Ny-Ålesund. The SVD2006 surface (arcgp-2006-sk) is the Arctic Gravity Project 2006 (arcgp-2006) surface adjusted to two benchmarks tied to the Ny-Ålesund tide gauge. arcgp-2006-sk=arcgp-2006 - 0.8986m.

1.8.792 Swiss Terrestrial Reference System 1995

Type: Geodetic
Extent: Liechtenstein; Switzerland

```
Datum::fromSRID(Datum::EPSG_SWISS_TERRESTRIAL_REFERENCE_SYSTEM_1995)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6151')
```

ETRF89 at epoch 1993.0.

First realized through CHTRF95 and subsequently CHTRF98, 2004, 2010 and 2016 with an aim to re-measure every 6 years.

1.8.793 System 34 Jylland Intermediate Datum

Type: Geodetic
Extent: Denmark - Jutland and Funen - onshore

```
Datum::fromSRID(Datum::EPSG_SYSTEM_34_JYLLAND_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1332')
```

S34 fundamental point: Agri Bavnehøj, latitude 56°13'48.217"N, longitude 2°02'22.629"W of Copenhagen meridian where FE=FN=200000m. This reconstruction's origin in central Zealand was obtained from inversion of an older polynomial transformation to ED50.

Created in 2022 to support artificial CRS S34J-IRF in the transformation of coordinates between the historic CRS S34J and ETRS89. The data is a reconstruction based on information synthesized in historical empirical transformations to ED50.

1.8.794 System 34 Sjaelland Intermediate Datum

Type: Geodetic
Extent: Denmark - Zealand and Lolland (onshore)

```
Datum::fromSRID(Datum::EPSG_SYSTEM_34_SJAELLAND_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1337')
```

S34 fundamental point: Agri Bavnehøj, latitude 56°13'48.217"N, longitude 2°02'22.629"W of Copenhagen meridian where FE=FN=200000m. This reconstruction's origin in central Zealand was obtained from inversion of an older polynomial transformation to ED50.

Created in 2022 to support intermediate CRS S34S-IRF in the transformation of coordinates between the historic CRS S34S and ETRS89. The data is a reconstruction based on information synthesized in historical empirical transformations to ED50.

1.8.795 System 45 Bornholm Intermediate Datum

Type: Geodetic
Extent: Denmark - Bornholm onshore

```
Datum::fromSRID(Datum::EPSG_SYSTEM_45_BORNHOLM_INTERMEDIATE_DATUM)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1346')
```

Pseudo origin south of Bornholm, obtained from inversion of an older transformation. The historical Danish System 45 was ad-hoc and not based on any formal datum and projection definitions.

Created in 2022 to support intermediate CRS S45B-IRF in the transformation of coordinates between the historic CRS S45 and ETRS89. The data are reconstructions based on information synthesized in historical empirical transformations to ED50.

1.8.796 System of the Unified Trigonometrical Cadastral Network

Type: Geodetic
Extent: Czechia; Slovakia

```
Datum::fromSRID(Datum::EPSG_SYSTEM_OF_THE_UNIFIED_TRIGONOMETRICAL_CADASTRAL_NETWORK)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6156')
```

Modification of Austrian MGI datum, code 6312.

1.8.797 System of the Unified Trigonometrical Cadastral Network (Ferro)

Type: Geodetic
Extent: Czechia; Slovakia

```
Datum::fromSRID(Datum::EPSG_SYSTEM_OF_THE_UNIFIED_TRIGONOMETRICAL_CADASTRAL_NETWORK_
↪FERRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6818')
```

Modification of Austrian MGI (Ferro) datum.

1.8.798 System of the Unified Trigonometrical Cadastral Network [JTSK03]

Type: Geodetic
Extent: Slovakia

```
Datum::fromSRID(Datum::EPSG_SYSTEM_OF_THE_UNIFIED_TRIGONOMETRICAL_CADASTRAL_NETWORK_
↪JTSK03)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1201')
```

1.8.799 System of the Unified Trigonometrical Cadastral Network/05

Type: Geodetic
Extent: Czechia

```
Datum::fromSRID(Datum::EPSG_SYSTEM_OF_THE_UNIFIED_TRIGONOMETRICAL_CADASTRAL_NETWORK_05)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1052')
```

Constrained to S-JTSK but realised through readjustment in projected CRS domain. Related to ETRS89 R05 realisation through transformation code 5226.

1.8.800 System of the Unified Trigonometrical Cadastral Network/05 (Ferro)

Type: Geodetic
Extent: Czechia

```
Datum::fromSRID(Datum::EPSG_SYSTEM_OF_THE_UNIFIED_TRIGONOMETRICAL_CADASTRAL_NETWORK_05_
↪FERRO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1055')
```

Constrained to S-JTSK but realised through readjustment in projected CRS domain.

1.8.801 TM65

Type: Geodetic
Extent: Ireland - onshore. United Kingdom (UK) - Northern Ireland (Ulster) - onshore

```
Datum::fromSRID(Datum::EPSG_TM65)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6299')
```

Adjusted to best mean fit 12 stations of the OSNI 1952 primary adjustment.

Differences between OSNI 1952 and TM65 at these stations are RMS 0.25m east, 0.23m north, maximum vector 0.57m. TM65 replaced by and not to be confused with Geodetic Datum of 1965 alias 1975 Mapping Adjustment or TM75 (datum code 6300).

1.8.802 TPEN11 Intermediate Reference Frame

Type: Geodetic
Extent: United Kingdom (UK) - on or related to the Trans-Pennine rail route from Liverpool via Manchester to Bradford and Leeds

```
Datum::fromSRID(Datum::EPSG_TPEN11_INTERMEDIATE_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1266')
```

Defined through the application of the TPEN11 NTv2 transformation (code 9365) to ETRS89 as realized through OSNet v2009 CORS.

Created in 2020 to support intermediate CRS "TPEN11-IRF" in the emulation of the combined TPEN11 Snake and TPEN11ext Snake map projections.

1.8.803 Tahaa 54

Type: Geodetic
Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea and Tahaa

```
Datum::fromSRID(Datum::EPSG_TAHAA_54)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6629')
```

Fundamental point: Tahaa East Base. Latitude: 16°33'20.97"S, longitude: 151°29'06.25"W (of Greenwich).

Replaced by RGPF (datum code 6687).

1.8.804 Tahaa SAU 2001

Type: Vertical
Extent: French Polynesia - Society Islands - Tahaa

```
Datum::fromSRID(Datum::EPSG_TAHAA_SAU_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5201')
```

Fundamental benchmark: RN16

Included as part of NGPF - see datum code 5195.

1.8.805 Tahiti 52

Type: Geodetic
Extent: French Polynesia - Society Islands - Moorea and Tahiti

```
Datum::fromSRID(Datum::EPSG_TAHITI_52)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6628')
```

Fundamental point: Tahiti North Base. Latitude: 17°38'10.0"S, longitude: 149°36'57.8"W (of Greenwich).

Replaced by Tahiti 79 (datum code 6690) in Tahiti and Moorea 87 (code 6691) in Moorea.

1.8.806 Tahiti 79

Type: Geodetic
Extent: French Polynesia - Society Islands - Tahiti

```
Datum::fromSRID(Datum::EPSG_TAHITI_79)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6690')
```

Fundamental point: Tahiti North Base. Latitude: 17°38'10.0"S, longitude: 149°36'57.8"W (of Greenwich).

Replaces Tahiti 52 (datum code 6628) in Tahiti. Replaced by RGPF (datum code 6687).

1.8.807 Taiwan Datum 1967

Type: Geodetic
Extent: Taiwan, Republic of China - onshore - Taiwan Island, Penghu (Pescadores) Islands

```
Datum::fromSRID(Datum::EPSG_TAIWAN_DATUM_1967)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1025')
```

Fundamental point: Hu Tzu Shan. Latitude: 23°58'32.34"N, longitude: 120°58'25.975"E (of Greenwich).

Adopted in 1980. TWD67 uses the GRS 1967 ellipsoid but with 1/f to exactly 2 decimal places.

1.8.808 Taiwan Datum 1997

Type: Geodetic
Extent: Taiwan, Republic of China - onshore and offshore - Taiwan Island, Penghu (Pescadores) Islands

```
Datum::fromSRID(Datum::EPSG_TAIWAN_DATUM_1997)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1026')
```

ITRF94 at epoch 1997.0

Adopted in 1998.

1.8.809 Taiwan Vertical Datum 2001

Type: Vertical
Extent: Taiwan, Republic of China - onshore - Taiwan Island

```
Datum::fromSRID(Datum::EPSG_TAIWAN_VERTICAL_DATUM_2001)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1224')
```

Mean Sea Level at Keelung between 1957 and 1991.

Orthometric heights.

1.8.810 Tananarive 1925

Type: Geodetic
Extent: Madagascar - onshore and nearshore

```
Datum::fromSRID(Datum::EPSG_TANANARIVE_1925)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6297')
```

Fundamental point: Tananarive observatory. Latitude: 18°55’02.10”S, longitude: 47°33’06.75”E (of Greenwich).

1.8.811 Tananarive 1925 (Paris)

Type: Geodetic
Extent: Madagascar - onshore

```
Datum::fromSRID(Datum::EPSG_TANANARIVE_1925_PARIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6810')
```

Fundamental point: Tananarive observatory. Latitude: 21.0191667g S, longitude: 50.23849537g E (of Paris)

1.8.812 Tapi Aike

Type: Geodetic
Extent: Argentina - Santa Cruz province south of approximately 50°20'S

```
Datum::fromSRID(Datum::EPSG_TAPI_AIKE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1257')
```

Replaced by Campo Inchauspe (code 6221) for topographic mapping, use for oil exploration and production continues.

1.8.813 Taranaki 1970

Type: Vertical
Extent: New Zealand - North Island - Taranaki vertical CRS area

```
Datum::fromSRID(Datum::EPSG_TARANAKI_1970)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5167')
```

MSL at Taranaki harbour 1918-1921.

1.8.814 Tararu 1952

Type: Vertical
Extent: New Zealand - North Island - Tararu vertical CRS area

```
Datum::fromSRID(Datum::EPSG_TARARU_1952)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5166')
```

MSL at Tararu Point 1922-1923.

1.8.815 Tenerife

Type: Vertical
Extent: Spain - Canary Islands - Tenerife onshore

```
Datum::fromSRID(Datum::EPSG_TENERIFE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1281')
```

Mean Sea Level at Santa Cruz de Tenerife harbour between 1960 and 1970.

Orthometric heights.

1.8.816 Tern Island 1961

Type: Geodetic
Extent: United States (USA) - Hawaii - Tern Island and Sorel Atoll

```
Datum::fromSRID(Datum::EPSG_TERN_ISLAND_1961)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6707')
```

Fundamental point: station FRIG on tern island, station B4 on Sorol Atoll.

Two independent astronomic determinations considered to be consistent through adoption of common transformation to WGS 84 (see tfm code 15795).

1.8.817 Tete

Type: Geodetic
Extent: Mozambique - onshore

```
Datum::fromSRID(Datum::EPSG_TETE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6127')
```

Fundamental point: Tete.

1.8.818 Timbalai 1948

Type: Geodetic
Extent: Brunei - onshore and offshore; Malaysia - East Malaysia (Sabah; Sarawak) - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_TIMBALAI_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6298')
```

Fundamental point: Station P85 at Timbalai. Latitude: 5°17’ 3.548”N, longitude: 115°10’56.409”E (of Greenwich).

In 1968, the original adjustment was densified in Sarawak and extended to Sabah.

1.8.819 Tokyo

Type: Geodetic
Extent: Japan - onshore; North Korea - onshore; South Korea - onshore

```
Datum::fromSRID(Datum::EPSG_TOKYO)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6301')
```

Fundamental point: Nikon-Keido-Genten. Latitude: 35°39’17.5148”N, longitude: 139°44’40.5020”E (of Greenwich). Longitude derived in 1918.

In Japan, replaces Tokyo 1892 (code 1048) and replaced by Japanese Geodetic Datum 2000 (code 6611). In Korea used only for geodetic applications before being replaced by Korean 1985 (code 6162).

1.8.820 Tokyo 1892

Type: Geodetic
Extent: Japan - onshore; North Korea - onshore; South Korea - onshore

```
Datum::fromSRID(Datum::EPSG_TOKYO_1892)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1048')
```

Fundamental point: Nikon-Keido-Genten. Latitude: 35°39'17.5148"N, longitude: 139°44'30.0970"E (of Greenwich). Longitude derived in 1892.

Extended from Japan to Korea in 1898. In Japan replaced by Tokyo 1918 (datum code 6301). In South Korea replaced by Tokyo 1918 (code 6301) only for geodetic purposes; for all other purposes replaced by Korean 1985 (code 6162).

1.8.821 Tonga Geodetic Datum 2005

Type: Geodetic
Extent: Tonga - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_TONGA_GEODETIC_DATUM_2005)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1095')
```

Based on ITRF2000 at epoch 2005.0

1.8.822 Trieste

Type: Vertical
Extent: Bosnia and Herzegovina; Croatia - onshore; Kosovo; Montenegro - onshore; North Macedonia; Serbia; Slovenia - onshore

```
Datum::fromSRID(Datum::EPSG_TRIESTE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1050')
```

Reference point HM1(BV1)-Trieste defined relative to mean sea level at Trieste in 1875.

Normal-orthometric heights. In Croatia replaced by HVRS71 (datum code 5207).

1.8.823 Trinidad 1903

Type: Geodetic
Extent: Trinidad and Tobago - Trinidad - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_TRINIDAD_1903)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6302')
```

Station 00, Harbour Master's Flagstaff, Port of Spain.

Trinidad 1903 / Trinidad Grid coordinates (Clarke's links): 333604.30 E, 436366.91 N (Latitude: 10°38'39.01"N, Longitude: 61°30'38.00"W of Greenwich)

1.8.824 Tristan 1968

Type: Geodetic
Extent: St Helena, Ascension and Tristan da Cunha - Tristan da Cunha island group including Tristan, Inaccessible, Nightingale, Middle and Stoltenhoff Islands

```
Datum::fromSRID(Datum::EPSG_TRISTAN_1968)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6734')
```

1.8.825 Trucial Coast 1948

Type: Geodetic
Extent: United Arab Emirates (UAE) - Abu Dhabi onshore and Dubai onshore

```
Datum::fromSRID(Datum::EPSG_TRUCIAL_COAST_1948)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6303')
```

Fundamental point: TC1. Latitude: 25°23'50.190"N, longitude: 55°26'43.950"E (of Greenwich).

1.8.826 Turkish National Reference Frame

Type: Geodetic
Extent: Türkiye (Turkey) - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_TURKISH_NATIONAL_REFERENCE_FRAME)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1057')
```

ITRF96 at epoch 2005.0

1.8.827 Tutuila Vertical Datum of 1962

Type: Vertical
Extent: American Samoa - Tutuila island

```
Datum::fromSRID(Datum::EPSG_TUTUILA_VERTICAL_DATUM_OF_1962)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1121')
```

Mean sea level at Pago Pago harbor, Tutuila, over 10 years 1949-1955 and 1957-1959. Benchmark NO 2 1948 = 7.67ftUS.

Replaced by American Samoa Vertical Datum of 2002 (datum code 1125).

1.8.828 Ukraine 2000

Type: Geodetic
Extent: Ukraine - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_UKRAINE_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1077')
```

Orientation and scale constrained to be same as ITRF2000 at epoch 2005.0. Position is minimised deviation between reference ellipsoid and quasigeoid in territory of Ukraine.

1.8.829 Vanua Levu 1915

Type: Geodetic
Extent: Fiji - Vanua Levu and Taveuni

```
Datum::fromSRID(Datum::EPSG_VANUA_LEVU_1915)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6748')
```

Latitude origin was obtained astronomically at station Numuiloa = 16°23'38.36"S, longitude origin was obtained astronomically at station Suva = 178°25'35.835"E.

For topographic mapping, replaced by Fiji 1956. For other purposes, replaced by Fiji 1986.

1.8.830 Vientiane 1982

Type: Geodetic
Extent: Laos

```
Datum::fromSRID(Datum::EPSG_VIENTIANE_1982)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6676')
```

Fundamental point: Vientiane (Nongteng) Astro Pillar. Latitude: 18°01'31.6301"N, longitude: 102°30'56.6999"E (of Greenwich).

Replaced by Lao 1993.

1.8.831 Vietnam 2000

Type: Geodetic
Extent: Vietnam - onshore

```
Datum::fromSRID(Datum::EPSG_VIETNAM_2000)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6756')
```

Point N00, located in the premises of the Land Administration Research Institute, Hoang Quoc Viet Street, Hanoi.

Replaces Hanoi 1972.

1.8.832 Virgin Islands Vertical Datum of 2009

Type: Vertical
Extent: US Virgin Islands - onshore - St Croix, St John, and St Thomas

```
Datum::fromSRID(Datum::EPSG_VIRGIN_ISLANDS_VERTICAL_DATUM_OF_2009)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1124')
```

Mean sea level for National Tidal Datum Epoch 1983–2001 at (i) Lime Tree Bay, St. Croix (BM 9751401 M = 3.111m) , (ii) Lameshur Bay, St. John (BM 9751381 TIDAL A = 1.077m) , and (iii) Charlotte Amalie, St. Thomas (BM 9751639 F = 1.552m).

Replaces all earlier vertical datums on these islands.

1.8.833 Viti Levu 1912

Type: Geodetic
Extent: Fiji - Viti Levu island

```
Datum::fromSRID(Datum::EPSG_VITI_LEVU_1912)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6752')
```

Latitude origin was obtained astronomically at station Monavatu = 17°53'28.285"S, longitude origin was obtained astronomically at station Suva = 178°25'35.835"E.

For topographic mapping, replaced by Fiji 1956. For other purposes, replaced by Fiji 1986.

1.8.834 Voirol 1875

Type: Geodetic
Extent: Algeria - onshore north of 32°N

```
Datum::fromSRID(Datum::EPSG_VOIROL_1875)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6304')
```

Fundamental point: Voirol. Latitude: 36°45'07.927"N, longitude: 3°02'49.435"E of Greenwich. Uses RGS (and old IGN) value of 2°20'13.95"for Greenwich-Paris meridian difference.

Replaced by Voirol 1879 (code 6671).

1.8.835 Voirol 1875 (Paris)

Type: Geodetic
Extent: Algeria - onshore north of 32°N

```
Datum::fromSRID(Datum::EPSG_VOIROL_1875_PARIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6811')
```

Fundamental point: Voirol. Latitude: 40.83578 grads N, longitude: 0.78873 grads E (of Paris).

1.8.836 Voirol 1879

Type: Geodetic
Extent: Algeria - onshore north of 32°N

```
Datum::fromSRID(Datum::EPSG_VOIROL_1879)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6671')
```

Fundamental point: Voirol. Latitude: 36°45'08.199"N, longitude: 3°02'49.435"E (of Greenwich). Uses RGS (and old IGN) value of 2°20'13.95"for Greenwich-Paris meridian difference.

Replaces Voirol 1875 (code 6304).

1.8.837 Voirol 1879 (Paris)

Type: Geodetic
Extent: Algeria - onshore north of 32°N

```
Datum::fromSRID(Datum::EPSG_VOIROL_1879_PARIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6821')
```

Fundamental point: Voirol. Latitude: 40.835864 grads N, longitude: 0.788735 grads E (of Paris).

Replaces Voirol 1875 (Paris) (code 6811).

1.8.838 WGS 72 Transit Broadcast Ephemeris

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WGS_72_TRANSIT_BROADCAST_EPHEMERIS)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6324')
```

Alleged datum for use with Transit broadcast ephemeris prior to 1989. Relationship to WGS 72 has changed over time.

1.8.839 Waitangi (Chatham Island) 1959

Type: Vertical
Extent: New Zealand - Chatham Island - onshore

```
Datum::fromSRID(Datum::EPSG_WAITANGI_CHATHAM_ISLAND_1959)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5169')
```

MSL at Waitangi harbour collected in 1959.

1.8.840 Wake Island 1952

Type: Geodetic
Extent: Wake atoll - onshore

```
Datum::fromSRID(Datum::EPSG_WAKE_ISLAND_1952)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6733')
```

1.8.841 Wellington 1953

Type: Vertical
Extent: New Zealand - North Island - Wellington vertical CRS area

```
Datum::fromSRID(Datum::EPSG_WELLINGTON_1953)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5168')
```

MSL at Wellington harbour 1909-1946.

1.8.842 Wiener Null

Type: Vertical
Extent: Austria - Vienna city state

```
Datum::fromSRID(Datum::EPSG_WIENER_NULL)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1267')
```

Historic benchmark on the Schwedenbrücke over an artificial channel of River Danube (Donaukanal) with GHA height of 156.680m.

1.8.843 World Geodetic System 1966

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1966)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6760')
```

Developed from a worldwide distribution of terrestrial and geodetic satellite observations and defined through a set of station coordinates.

A worldwide 5° × 5° mean free air gravity anomaly field provided the basic data for producing the WGS 66 gravimetric geoid. Replaced by WGS 72.

1.8.844 World Geodetic System 1972

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1972)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6322')
```

Developed from a worldwide distribution of terrestrial and geodetic satellite observations and defined through a set of station coordinates.

Used by GPS before 1987. For Transit satellite positioning see also WGS 72BE.

1.8.845 World Geodetic System 1984 (G1150)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G1150)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1154')
```

Defined through coordinates of 17 GPS tracking stations adjusted to a subset of 49 IGS stations. Observations made in February 2001. The reference epoch for ITRF2000 is 1997.0; station coordinates were transformed to 2001.0 using IERS station velocities.

Replaces World Geodetic System 1984 (G873) from 2002-01-20. Replaced by World Geodetic System 1984 (G1674) from 2012-02-08.

1.8.846 World Geodetic System 1984 (G1674)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G1674)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1155')
```

Defined through coordinates of 15 GPS tracking stations adjusted to a subset of IGS stations at epoch 2005.0. The IGS station coordinates are considered to be equivalent to ITRF2008.

Replaces World Geodetic System 1984 (G1150) from 2012-02-08. Replaced by World Geodetic System 1984 (G1762) from 2013-10-16.

1.8.847 World Geodetic System 1984 (G1762)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G1762)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1156')
```

Defined through coordinates of 19 GPS tracking stations adjusted to a subset of IGb08 stations at epoch 2005.0 using observations made in May 2013. The IGb08 coordinates are considered to be equivalent to ITRF2008.

Replaces WGS 84 (G1674) from 2013-10-16. Frame was redesignated WGS 84 (G1762') after coordinates of 7 NGA tracking stations were changed following station moves and antenna updates 2014-08 to 2015-06. Replaced by WGS 84 (G2139) from 2021-01-03.

1.8.848 World Geodetic System 1984 (G2139)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G2139)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1309')
```

Defined through coordinates of 19 GPS tracking stations aligned with a subset of IGb14 stations at epoch 2016.0. The IGb14 station coordinates are considered to be equivalent to ITRF2014.

Replaces World Geodetic System 1984 (G1762) from 2021-01-03. Tracking station coordinate changes on 2021-03-28 when NGA implemented IGS definition of antenna phase centre offset. Replaced by World Geodetic System 1984 (G2296) from 2024-01-07.

1.8.849 World Geodetic System 1984 (G2296)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G2296)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1383')
```

Defined through coordinates of 17 GPS tracking stations aligned with a subset of IGS stations at epoch 2020.0. The IGS20 station coordinates are considered to be equivalent to ITRF2020.

Replaces World Geodetic System 1984 (G2139) from 2024-01-07.

1.8.850 World Geodetic System 1984 (G730)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G730)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1152')
```

Defined through coordinates of 10 GPS tracking stations adjusted to a subset of ITRF92 stations at epoch 1994.0. The reference epoch for ITRF92 is 1988.0; the ITRF92 station coordinates were transformed to 1994.0 using the NNR-NUVEL1 plate motion model.

Replaces the original Transit-derived World Geodetic System 1984 from 1994-06-29. Replaced by World Geodetic System 1984 (G873) from 1997-01-29.

1.8.851 World Geodetic System 1984 (G873)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_G873)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1153')
```

Defined through coordinates of 13 GPS tracking stations adjusted to a subset of ITRF94 stations at epoch 1997.0. The reference epoch for the adjustment was 1994.0 and the coordinates were propagated to 1997.0 using the NNR-NUVEL-1A plate motion model.

Replaces World Geodetic System 1984 (G730) from 1997-01-29. Replaced by World Geodetic System 1984 (G1150) from 2002-01-20.

1.8.852 World Geodetic System 1984 (Transit)

Type: Dynamic geodetic
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_TRANSIT)
Datum::fromSRID('urn:ogc:def:datum:EPSG::1166')
```

Defined through coordinates of 5 GPS tracking stations in the Transit doppler positioning NSWC 9Z-2 reference frame transformed to be aligned to the BIH Conventional Terrestrial Reference Frame (BTS) at epoch 1984.0.

The NSWC 9Z-2 origin shifted by -4.5 m along the Z-axis, scale changed by -0.6 x 10E-6 and the reference meridian rotated westward by 0.814" to be aligned to the BTS at epoch 1984.0. Replaced by World Geodetic System 1984 (G730) from 1994-06-29.

1.8.853 World Geodetic System 1984 ensemble

Type: Ensemble
Extent: World

```
Datum::fromSRID(Datum::EPSG_WORLD_GEODETIC_SYSTEM_1984_ENSEMBLE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6326')
```

EPSG::6326 has been the then current realization. No distinction is made between the original and subsequent (G730, G873, G1150, G1674, G1762, G2139 and G2296) WGS 84 frames. Since 1997, WGS 84 has been maintained within 10cm of the then current ITRF.

1.8.854 Xian 1980

Type: Geodetic
Extent: China - onshore

```
Datum::fromSRID(Datum::EPSG_XIAN_1980)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6610')
```

Xian observatory.

1.8.855 Yacare

Type: Geodetic
Extent: Uruguay - onshore

```
Datum::fromSRID(Datum::EPSG_YACARE)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6309')
```

Fundamental point: Yacare. Latitude: 30°35'53.68"S, longitude: 57°25'01.30"W (of Greenwich).

1.8.856 Yellow Sea 1956

Type: Vertical
Extent: China - onshore

```
Datum::fromSRID(Datum::EPSG_YELLOW_SEA_1956)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5104')
```

2 years tide readings at Qingdao.

Replaced by Yellow Sea 1985 datum.

1.8.857 Yellow Sea 1985

Type: Vertical
Extent: China - onshore

```
Datum::fromSRID(Datum::EPSG_YELLOW_SEA_1985)
Datum::fromSRID('urn:ogc:def:datum:EPSG::5137')
```

20 years tide readings at Qingdao.

Replaces Yellow Sea 1956 datum.

1.8.858 Yemen National Geodetic Network 1996

Type: Geodetic
Extent: Yemen - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_YEMEN_NATIONAL_GEODETIC_NETWORK_1996)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6163')
```

Sana'a IGN reference marker.

1.8.859 Yoff

Type: Geodetic
Extent: Senegal - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_YOFF)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6310')
```

Fundamental point: Yoff. Latitude: 14°44'41.62"N, longitude: 17°29'07.02"W (of Greenwich).

1.8.860 Zanderij

Type: Geodetic
Extent: Suriname - onshore and offshore

```
Datum::fromSRID(Datum::EPSG_ZANDERIJ)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6311')
```

1.8.861 Fk89

Type: Geodetic
Extent: Faroe Islands - onshore

```
Datum::fromSRID(Datum::EPSG_FK89)
Datum::fromSRID('urn:ogc:def:datum:EPSG::6753')
```

Replaces FD54 for cadastre.

1.9 Built in ellipsoids

Tip: Unless you are trying to work with a coordinate reference system that doesn't exist in the built-in set, you don't need to worry about these, the correct one will be instantiated for you.

Tip: You can access the list of supported ellipsoids at runtime using `Ellipsoid::getSupportedSRIDs()` or `Ellipsoid::getSupportedSRIDsWithHelp()`

1.9.1 Airy 1830

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_AIRY_1830)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7001')
```

Original definition is a=20923713, b=20853810 feet of 1796. 1/f is given to 7 decimal places. For the 1936 retriangulation OSGB defines the relationship of 10 feet of 1796 to the International metre through ([10^0.48401603]/10) exactly = 0.3048007491…

1.9.2 Airy Modified 1849

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_AIRY_MODIFIED_1849)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7002')
```

OSGB Airy 1830 figure (ellipsoid code 7001) rescaled by 0.999965 to best fit the scale of the 19th century primary triangulation of Ireland.

1.9.3 Australian National Spheroid

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_AUSTRALIAN_NATIONAL_SPHEROID)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7003')
```

Based on the GRS 1967 figure but with 1/f taken to 2 decimal places exactly. The dimensions are also used as the GRS 1967 Modified ellipsoid (see code 7050).

1.9.4 Average Terrestrial System 1977

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_AVERAGE_TERRESTRIAL_SYSTEM_1977)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7041')
```

1.9.5 Bessel 1841

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_BESSEL_1841)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7004')
```

Original Bessel definition is a=3272077.14 and b=3261139.33 toise. This used a weighted mean of values from several authors but did not account for differences in the length of the various toise: the "Bessel toise" is therefore of uncertain length.

1.9.6 Bessel Modified

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_BESSEL_MODIFIED)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7005')
```

Used in Norway and also in Sweden with a 1mm increase in semi-major axis.

1.9.7 Bessel Namibia (GLM)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_BESSEL_NAMIBIA_GLM)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7046')
```

The semi-major axis has the same value as the Bessel 1841 ellipsoid (code 7004) but is in different units - German Legal Metres rather than International metres - hence a different size. a = 6377483.865 International metres. Used in Namibia.

1.9.8 CGCS2000

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CGCS2000)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::1024')
```

Defining parameters semi-major axis, flattening and angular velocity are same as for GRS 1980 (ellipsoid code 7019); GM = 3986004.4e8 m*m*m/s/s (from NASA 1986 Lageos determination).

1.9.9 Clarke 1858

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1858)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7007')
```

Clarke's 1858/II solution. Derived parameters: a = 6378293.645m using his 1865 ratio of 0.3047972654 feet per metre; 1/f = 294.26068... In Australia and Amoco Trinidad 1/f taken to two decimal places (294.26 exactly); elsewhere a and b used to derive 1/f.

1.9.10 Clarke 1866

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1866)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7008')
```

Original definition a=20926062 and b=20855121 (British) feet. Uses Clarke's 1865 inch-metre ratio of 39.370432 to obtain metres. (Metric value then converted to US survey feet for use in the US and international feet for use in Cayman Islands).

1.9.11 Clarke 1866 Authalic Sphere

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1866_AUTHALIC_SPHERE)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7052')
```

Authalic sphere derived from Clarke 1866 ellipsoid (code 7008).

1.9.12 Clarke 1880

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7034')
```

Clarke gave a and b and also 1/f=293.465 (to 3 decimal places exactly). In the 19th century b was normally given as the second defining parameter.

1.9.13 Clarke 1880 (Arc)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880_ARC)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7013')
```

Adopts Clarke's value for a with derived 1/f. Uses his 1865 ratio of 39.370432 inch per metre to convert semi-major axis to metres.

1.9.14 Clarke 1880 (Benoit)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880_BENOIT)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7010')
```

Adopts Clarke's values for a and b. Uses Benoit's 1895 ratio of 0.9143992 metres per yard to convert to metres.

1.9.15 Clarke 1880 (IGN)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880_IGN)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7011')
```

Adopts Clarke's values for a and b using his 1865 ratio of 39.370432 inches per metre to convert axes to metres.

1.9.16 Clarke 1880 (RGS)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880_RGS)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7012')
```

Adopts Clarke's values for a and 1/f. Adopts his 1865 ratio of 39.370432 inches per metre to convert semi-major axis to metres. Also known as Clarke Modified 1880.

1.9.17 Clarke 1880 (SGA 1922)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880_SGA_1922)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7014')
```

Used in Old French Triangulation (ATF). Uses Clarke's 1865 inch-metre ratio of 39.370432 to convert axes to metres.

1.9.18 Clarke 1880 (international foot)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_CLARKE_1880_INTERNATIONAL_FOOT)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7055')
```

Clarke's 1880 definition in feet assumed for the purposes of metric conversion to be international foot. a = 6378306.370... metres. 1/f derived from a and b = 293.4663077... Used in Fiji.

1.9.19 Danish 1876

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_DANISH_1876)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7051')
```

Semi-major axis originally given as 3271883.25 toise. Uses toise to French metre ratio of 1.94903631 to two decimal place precision. An alternative ratio with the German legal metre of 1.9490622 giving 6377104m has not been used in Danish work.

1.9.20 Everest (1830 Definition)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_DEFINITION)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7042')
```

Everest gave a and b to 2 decimal places and also 1/f=300.8017 (to 4 decimal places exactly). In the 19th century b was normally given as the second defining parameter.

1.9.21 Everest 1830 (1937 Adjustment)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_1937_ADJUSTMENT)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7015')
```

Used for the 1937 readjustment of Indian triangulation. Clarke's 1865 Indian-British foot ratio (0.99999566) and Benoit's 1898 British inch-metre ratio (39.370113) rounded as 0.30479841 exactly and applied to Everest's 1830 definition taken as a and 1/f

1.9.22 Everest 1830 (1962 Definition)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_1962_DEFINITION)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7044')
```

Used by Pakistan since metrication. Clarke's 1865 Indian foot-British foot ratio (0.99999566) and his 1865 British inch-metre ratio (39.369971) rounded with slight error as 1 Ind ft = 0.3047995m exactly and applied to Everest's 1830 definition of a & b.

1.9.23 Everest 1830 (1967 Definition)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_1967_DEFINITION)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7016')
```

Adopted 1967 for use in East Malaysia. Applies Sears 1922 inch-metre ratio of 39.370147 to Everest 1830 original definition of a and 1/f but with a taken to be in British rather than Indian feet.

1.9.24 Everest 1830 (1975 Definition)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_1975_DEFINITION)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7045')
```

Used by India since metrication. Clarke's 1865 Indian foot-British foot ratio (0.99999566) and his 1865 British inch-metre ratio (39.369971) rounded as 1 Ind ft = 0.3047995m exactly applied to Everest's 1830 original definition taken as a and b.

1.9.25 Everest 1830 (RSO 1969)

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_RSO_1969)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7056')
```

Adopted for 1969 metrication of peninsula Malaysia RSO grid. Uses Sears 1922 yard-metre ratio truncated to 6 significant figures applied to Everest 1830 original definition of a and 1/f but with a taken to be in British rather than Indian feet.

1.9.26 Everest 1830 Modified

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_EVEREST_1830_MODIFIED)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7018')
```

Adopted 1967 for use in West Malaysia. Applies Benoit 1898 inch-metre ratio of 39.370113 to Everest 1830 original definition of a and 1/f but with a taken to be in British rather than Indian feet.

1.9.27 GEM 10C

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_GEM_10C)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7031')
```

Used for GEM 10C Gravity Potential Model.

1.9.28 GRS 1967

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_GRS_1967)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7036')
```

Adopted by IUGG 1967 Lucerne. 1/f given is derived from geocentric gravitational constant (GM)= 398603e9 m*m*m/s/s; dynamic form factor (J2) = 0.0010827 and Earth's angular velocity w = 7.2921151467e-5 rad/s. See also GRS 1967 Modified (code 7050).

1.9.29 GRS 1967 Modified

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_GRS_1967_MODIFIED)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7050')
```

Based on the GRS 1967 figure (code 7036) but with 1/f taken to 2 decimal places exactly. Used with SAD69 and TWD67 datums. The dimensions are also used as the Australian National Spheroid (code 7003).

1.9.30 GRS 1980

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_GRS_1980)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7019')
```

Adopted by IUGG 1979 Canberra. Inverse flattening is derived from geocentric gravitational constant GM = 3986005e8 m*m*m/s/s; dynamic form factor J2 = 108263e-8 and Earth's angular velocity = 7292115e-11 rad/s.

1.9.31 GRS 1980 Authalic Sphere

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_GRS_1980_AUTHALIC_SPHERE)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7048')
```

Authalic sphere derived from GRS 1980 ellipsoid (code 7019). (An authalic sphere is one with a surface area equal to the surface area of the ellipsoid). 1/f is infinite.

1.9.32 GSK-2011

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_GSK_2011)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::1025')
```

1.9.33 Helmert 1906

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_HELMERT_1906)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7020')
```

Helmert 1906/III solution.

1.9.34 Hough 1960

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_HOUGH_1960)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7053')
```

1.9.35 Hughes 1980

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_HUGHES_1980)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7058')
```

Used in US DMSP SSM/I microwave sensor processing software. Semi-minor axis derived from eccentricity=0.081816153. Semi-major axis (a) sometimes given as 3443.992nm which OGP suspects is a derived approximation. OGP conversion assumes 1nm=1852m exactly.

1.9.36 IAG 1975

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_IAG_1975)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7049')
```

1.9.37 Indonesian National Spheroid

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_INDONESIAN_NATIONAL_SPHEROID)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7021')
```

Based on the GRS 1967 figure but with 1/f taken to 3 decimal places exactly.

1.9.38 International 1924

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_INTERNATIONAL_1924)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7022')
```

Adopted by IUGG 1924 in Madrid. Based on Hayford 1909/1910 figures.

1.9.39 International 1924 Authalic Sphere

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_INTERNATIONAL_1924_AUTHALIC_SPHERE)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7057')
```

Authalic sphere derived from International 1924 ellipsoid (code 7022).

1.9.40 Krassowsky 1940

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_KRASSOWSKY_1940)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7024')
```

1.9.41 NWL 9D

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_NWL_9D)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7025')
```

Used by Transit Precise Ephemeris between October 1971 and January 1987.

1.9.42 OSU86F

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_OSU86F)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7032')
```

Used for OSU86 gravity potential (geoidal) model.

1.9.43 OSU91A

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_OSU91A)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7033')
```

Used for OSU91 gravity potential (geoidal) model.

1.9.44 PZ-90

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_PZ_90)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7054')
```

Earth's angular velocity = 7.292115e-5 rad/sec; gravitational constant GM = 3986004.418e8 m*m*m/s/s.

1.9.45 Plessis 1817

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_PLESSIS_1817)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7027')
```

Rescaling of Delambre 1810 figure (a=6376985 m) to make meridional arc from equator to pole equal to 10000000 metres exactly. (Ref: Strasser).

1.9.46 Struve 1860

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_STRUVE_1860)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7028')
```

Original definition of semi-major axis given as 3272539 toise. In "Ellipsoidisch Parameter der Erdfigur (1800-1950)" , Strasser suggests a conversion factor of 1.94903631 which gives a=6378297.337 metres.

1.9.47 WGS 72

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_WGS_72)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7043')
```

1.9.48 WGS 84

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_WGS_84)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7030')
```

1/f derived from four defining parameters semi-major axis; C20 = -484.16685*10e-6; earth's angular velocity = 7292115e-11 rad/sec; gravitational constant GM = 3986005e8 m*m*m/s/s. In 1994 new GM = 3986004.418e8 m*m*m/s/s but a and 1/f retained.

1.9.49 War Office

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_WAR_OFFICE)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::7029')
```

In non-metric form, a=20926201 Gold Coast feet. DMA Technical Manual 8358.1 and data derived from this quotes value for semi-major axis as 6378300.58m: OGP recommends use of defined value 6378300m exactly.

1.9.50 Zach 1812

```
Ellipsoid::fromSRID(Ellipsoid::EPSG_ZACH_1812)
Ellipsoid::fromSRID('urn:ogc:def:ellipsoid:EPSG::1026')
```

Defined as log a = 6.5266022 Klafter (Austrian fathom, Kl), log b = 6.5251990 Kl. a=10^6.526 6022 = 3362035 Kl. Then using the Austro-Hungarian 1871 KL/m legal ratio of 1.89648384, a = 6376045m

1.10 Built in prime meridians

Tip: Unless you are trying to work with a coordinate reference system that doesn't exist in the built-in set, you don't need to worry about these, the correct one will be instantiated for you.

Tip: You can access the list of supported prime meridians at runtime using `PrimeMeridian::getSupportedSRIDs()` or `PrimeMeridian::getSupportedSRIDsWithHelp()`

1.10.1 Athens

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_ATHENS)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8912')
```

Used in Greece for older mapping based on Hatt projection.

1.10.2 Bern

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_BERN)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8907')
```

1895 value. Newer value of 7°26'22.335" determined in 1938.

1.10.3 Bogota

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_BOGOTA)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8904')
```

1.10.4 Brussels

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_BRUSSELS)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8910')
```

1.10.5 Copenhagen

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_COPENHAGEN)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::1026')
```

Astronomic observatory at Copenhagen Round Tower (Rundetaarn).

1.10.6 Ferro

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_FERRO)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8909')
```

El Hierro island, Canary islands, considered the most westerly point in Europe. Its longitude has had various determinations. 17°40'W of Greenwich was adopted by Austria and former Czechoslovakia, 17°39'46.02"W by former Yugoslavia.

1.10.7 Greenwich

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_GREENWICH)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8901')
```

The international reference meridian as defined first by the 1884 International Meridian Conference and later by the Bureau International de l'Heure (BIH) and then the International Earth Rotation Service (IERS).

1.10.8 Jakarta

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_JAKARTA)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8908')
```

1924 determination. Supersedes 1910 value of 106°48'37.05"E of Greenwich.

1.10.9 Lisbon

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_LISBON)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8902')
```

1.10.10 Madrid

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_MADRID)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8905')
```

Longitude has had various determinations. 3°41'14.55"W of Greenwich adopted for Spanish cartography.

1.10.11 Oslo

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_OSLO)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8913')
```

Formerly known as Kristiania or Christiania.

1.10.12 Paris

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_PARIS)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8903')
```

Conventional value of 0h 9m 20.935s = 2°20'14.025" adopted by IGN (Paris) in 1936 converted to grads. Preferred by EPSG to earlier value of 2°20'13.95" (2.596898 grads) used by RGS London (prime meridian code 8914).

1.10.13 Paris RGS

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_PARIS_RGS)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8914')
```

Value replaced by IGN (France) in 1936 - see code 8903. Equivalent to 2.596898 grads.

1.10.14 Rome

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_ROME)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8906')
```

1.10.15 Stockholm

```
PrimeMeridian::fromSRID(PrimeMeridian::EPSG_STOCKHOLM)
PrimeMeridian::fromSRID('urn:ogc:def:meridian:EPSG::8911')
```

1.11 Built in axis systems

Note: In ISO 19111 terminology (and PHPCoord code), this concept is called a *Coordinate System*

Tip: Unless you are trying to work with a coordinate reference system that doesn't exist in the built-in set, you don't need to worry about these, the correct one will be instantiated for you.

1.11.1 Cartesian

Tip: You can access the list of supported coordinate systems at runtime using `Cartesian::getSupportedSRIDs()` or `Cartesian::getSupportedSRIDsWithHelp()`

2D Axes: easting, northing (E,N). Orientations: east, north. Units: British chain (Benoit 1895 B).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_CHBNB)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4401')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: British chain (Sears 1922 truncated).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_CHSE_T)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4410')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: British chain (Sears 1922).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_CHSE)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4402')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: foot.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_FT)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1039')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: Clarke's foot.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_FTCLA)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4403')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: Gold Coast foot.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_FTGC)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4404')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: British foot (Sears 1922).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_FTSE)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4405')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: kilometre.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_KM)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4406')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: Clarke's link.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_LKCLA)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4407')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4400')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: Clarke's yard.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_YDCL)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1028')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: Indian yard.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_YDIND)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4408')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (E,N). Orientations: east, north. Units: British yard (Sears 1922).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_N_ORIENTATIONS_EAST_NORTH_
↪UOM_YDSE)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4409')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (M,P). Orientations east, north. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_M_P_ORIENTATIONS_EAST_NORTH_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1024')
```

Used in projected and engineering coordinate reference systems in Portuguese territories.

2D Axes: easting, northing (X,Y). Orientations: east, north. Units: foot.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_X_Y_ORIENTATIONS_EAST_NORTH_
↪UOM_FT)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4495')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (X,Y). Orientations: east, north. Units: foot (US).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_X_Y_ORIENTATIONS_EAST_NORTH_
↪UOM_FTUS)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4497')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (X,Y). Orientations: east, north. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_X_Y_ORIENTATIONS_EAST_NORTH_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4499')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing (Y,X). Orientations: east, north. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_Y_X_ORIENTATIONS_EAST_NORTH_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4498')
```

Used in projected and engineering coordinate reference systems.

2D Axes: easting, northing [E(X),N(Y)]. Orientations: east, north. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_EASTING_NORTHING_E_X_N_Y_ORIENTATIONS_EAST_
↪NORTH_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4496')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (N,E). Orientations: north, east. Units: foot.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_N_E_ORIENTATIONS_NORTH_EAST_
↪UOM_FT)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1029')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (N,E). Orientations: north, east. Units: Clarke's foot.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_N_E_ORIENTATIONS_NORTH_EAST_
↪UOM_FTCLA)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4502')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (N,E). Orientations: north, east. Units: foot (US).

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_N_E_ORIENTATIONS_NORTH_EAST_
↪UOM_FTUS)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1053')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (N,E). Orientations: north, east. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_N_E_ORIENTATIONS_NORTH_EAST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4500')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (X,Y). Orientations: north, east. Units: link.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_X_Y_ORIENTATIONS_NORTH_EAST_
↪UOM_LK)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4533')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (X,Y). Orientations: north, east. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_X_Y_ORIENTATIONS_NORTH_EAST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4530')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (Y,X). Orientations: north, east. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_Y_X_ORIENTATIONS_NORTH_EAST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4532')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, easting (no abbrev). Orientations: north, east. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_NO_ABBREV_ORIENTATIONS_
↪NORTH_EAST_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4534')
```

Used in projected coordinate reference systems for nautical charting.

2D Axes: northing, easting (x,y). Orientations: north, east. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_EASTING_X_Y_ORIENTATIONS_NORTH_EAST_
↪UOM_M_LOWERCASE)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4531')
```

Used in projected and engineering coordinate reference systems.

2D Axes: northing, westing (N,E). Orientations: north, west. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_WESTING_N_E_ORIENTATIONS_NORTH_WEST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4501')
```

Used in Danish projected coordinate reference systems. Note that second axis has abbreviation E but is positive west.

2D Axes: northing, westing (Y,X). Orientations: north, west. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_NORTHING_WESTING_Y_X_ORIENTATIONS_NORTH_WEST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1031')
```

Used in Danish projected coordinate reference systems.

2D Axes: southing, westing (P,M). Orientations: south, west. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_SOUTHING_WESTING_P_M_ORIENTATIONS_SOUTH_WEST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::6509')
```

Used in old projected coordinate reference systems in Portugal.

2D Axes: southing, westing (X,Y). Orientations: south, west. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_SOUTHING_WESTING_X_Y_ORIENTATIONS_SOUTH_WEST_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::6501')
```

Used in projected and engineering coordinate reference systems.

2D Axes: westing, northing (W,N). Orientations: west, north. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_WESTING_NORTHING_W_N_ORIENTATIONS_WEST_NORTH_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4491')
```

Used in old Danish coordinate reference systems.

2D Axes: westing, southing (Y,X). Orientations: west, south. Units: German legal metre.

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_WESTING_SOUTHING_Y_X_ORIENTATIONS_WEST_SOUTH_
↪UOM_GLM)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::6502')
```

Used in projected and engineering coordinate reference systems.

2D Axes: westing, southing (Y,X). Orientations: west, south. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_AXES_WESTING_SOUTHING_Y_X_ORIENTATIONS_WEST_SOUTH_
↪UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::6503')
```

Used in projected and engineering coordinate reference systems.

2D CS for UPS north. Axes: E,N. Orientations: E along 90°E meridian, N along 180°E meridian. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_UPS_NORTH_AXES_E_N_ORIENTATIONS_E_ALONG_90_
↪DEG_E_MERIDIAN_N_ALONG_180_DEG_E_MERIDIAN_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1026')
```

Used for North Pole tangential and secant projections.

2D CS for UPS north. Axes: N,E. Orientations: N along 180°E meridian, E along 90°E meridian. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_UPS_NORTH_AXES_N_E_ORIENTATIONS_N_ALONG_
↪180_DEG_E_MERIDIAN_E_ALONG_90_DEG_E_MERIDIAN_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4493')
```

Used for North Pole tangential and secant projections.

2D CS for UPS south. Axes: E,N. Orientations: E along 90°E, N along 0°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_UPS_SOUTH_AXES_E_N_ORIENTATIONS_E_ALONG_90_
↪DEG_E_N_ALONG_0_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1027')
```

Used for South Pole tangential and secant projections.

2D CS for UPS south. Axes: N,E. Orientations: N along 0°E, E along 90°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_UPS_SOUTH_AXES_N_E_ORIENTATIONS_N_ALONG_0_
↪DEG_E_E_ALONG_90_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4494')
```

Used for South Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 0°E. Axes: X,Y. Orientations: X along 90°E, Y along 180°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_0_DEG_E_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_90_DEG_E_Y_ALONG_180_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4469')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 100°W. Axes: X,Y. Orientations: X along 10°W, Y along 80°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_100_DEG_W_AXES_
↪X_Y_ORIENTATIONS_X_ALONG_10_DEG_W_Y_ALONG_80_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4466')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 105°E. Axes: X,Y. Orientations: X along 165°W, Y along 75°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_105_DEG_E_AXES_
↪X_Y_ORIENTATIONS_X_ALONG_165_DEG_W_Y_ALONG_75_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1038')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 10°E. Axes: X,Y. Orientations: X along 100°E, Y along 170°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_10_DEG_E_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_100_DEG_E_Y_ALONG_170_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4463')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 150°W. Axes: X,Y. Orientations: X along 60°W, Y along 30°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_150_DEG_W_AXES_
↪X_Y_ORIENTATIONS_X_ALONG_60_DEG_W_Y_ALONG_30_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4467')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 180°E. Axes: X,Y. Orientations: X along 90°W, Y along 0°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_180_DEG_E_AXES_
↪X_Y_ORIENTATIONS_X_ALONG_90_DEG_W_Y_ALONG_0_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4464')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 18°E. Axes: X,Y. Orientations: X along 108°E, Y along 162°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_18_DEG_E_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_108_DEG_E_Y_ALONG_162_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1037')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 33°W. Axes: X,Y. Orientations: X along 57°E, Y along 147°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_33_DEG_W_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_57_DEG_E_Y_ALONG_147_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1036')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 40°W. Axes: X,Y. Orientations: X along 50°E, Y along 140°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_40_DEG_W_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_50_DEG_E_Y_ALONG_140_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4465')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 45°W. Axes: X,Y. Orientations: X along 45°E, Y along 135°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_45_DEG_W_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_45_DEG_E_Y_ALONG_135_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4468')
```

Used for North Pole tangential and secant projections.

2D CS for north polar azimuthal lonO 90°E. Axes: X,Y. Orientations: X along 180°E, Y along 90°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_NORTH_POLAR_AZIMUTHAL_LONO_90_DEG_E_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_180_DEG_E_Y_ALONG_90_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1035')
```

Used for North Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 0°E. Axes: E,N. Orientations: E along 90°E, N along 0°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_0_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_90_DEG_E_N_ALONG_0_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4490')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 0°E. Axes: X,Y. Orientations: X along 90°E, Y along 0°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_0_DEG_E_AXES_X_
↪Y_ORIENTATIONS_X_ALONG_90_DEG_E_Y_ALONG_0_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4470')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 105°E. Axes: E,N. Orientations: E along 165°W, N along 105°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_105_DEG_E_AXES_
↪E_N_ORIENTATIONS_E_ALONG_165_DEG_W_N_ALONG_105_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4485')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 105°W. Axes: E,N. Orientations: E along 15°W, N along 105°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_105_DEG_W_AXES_
↪E_N_ORIENTATIONS_E_ALONG_15_DEG_W_N_ALONG_105_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4474')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 135°E. Axes: E,N. Orientations: E along 135°W, N along 135°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_135_DEG_E_AXES_
↪E_N_ORIENTATIONS_E_ALONG_135_DEG_W_N_ALONG_135_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4486')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 135°W. Axes: E,N. Orientations: E along 45°W, N along 135°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_135_DEG_W_AXES_
↪E_N_ORIENTATIONS_E_ALONG_45_DEG_W_N_ALONG_135_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4473')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 140°E. Axes: X,Y. Orientations: X along 130°W, Y along 140°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_140_DEG_E_AXES_
↪X_Y_ORIENTATIONS_X_ALONG_130_DEG_W_Y_ALONG_140_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1025')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 150°E. Axes: E,N. Orientations: E along 120°W, N along 150°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_150_DEG_E_AXES_
↪E_N_ORIENTATIONS_E_ALONG_120_DEG_W_N_ALONG_150_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4487')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 150°W. Axes: E,N. Orientations: E along 60°W, N along 150°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_150_DEG_W_AXES_
↪E_N_ORIENTATIONS_E_ALONG_60_DEG_W_N_ALONG_150_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4472')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 15°E. Axes: E,N. Orientations: E along 105°E, N along 15°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_15_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_105_DEG_E_N_ALONG_15_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4480')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 15°W. Axes: E,N. Orientations: E along 75°E, N along 15°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_15_DEG_W_AXES_E_
↪N_ORIENTATIONS_E_ALONG_75_DEG_E_N_ALONG_15_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4479')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 165°E. Axes: E,N. Orientations: E along 105°W, N along 165°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_165_DEG_E_AXES_
↪E_N_ORIENTATIONS_E_ALONG_105_DEG_W_N_ALONG_165_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4488')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 165°W. Axes: E,N. Orientations: E along 75°W, N along 165°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_165_DEG_W_AXES_
↪E_N_ORIENTATIONS_E_ALONG_75_DEG_W_N_ALONG_165_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4471')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 180°E. Axes: N,E. Orientations: N along 180°E, E along 90°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_180_DEG_E_AXES_
↪N_E_ORIENTATIONS_N_ALONG_180_DEG_E_E_ALONG_90_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1044')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 30°E. Axes: E,N. Orientations: E along 120°E, N along 30°Emeridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_30_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_120_DEG_E_N_ALONG_30_DEG_EMERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4481')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 30°W. Axes: E,N. Orientations: E along 60°E, N along 30°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_30_DEG_W_AXES_E_
↪N_ORIENTATIONS_E_ALONG_60_DEG_E_N_ALONG_30_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4478')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 45°E. Axes: E,N. Orientations: E along 135°E, N along 45°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_45_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_135_DEG_E_N_ALONG_45_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4482')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 45°W. Axes: E,N. Orientations: E along 45°E, N along 45°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_45_DEG_W_AXES_E_
↪N_ORIENTATIONS_E_ALONG_45_DEG_E_N_ALONG_45_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4477')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 70°E. Axes: E,N. Orientations: E along 160°E, N along 70°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_70_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_160_DEG_E_N_ALONG_70_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4489')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 75°E. Axes: E,N. Orientations: E along 165°E, N along 75°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_75_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_165_DEG_E_N_ALONG_75_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4483')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 75°W. Axes: E,N. Orientations: E along 15°E, N along 75°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_75_DEG_W_AXES_E_
↪N_ORIENTATIONS_E_ALONG_15_DEG_E_N_ALONG_75_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4476')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 90°E. Axes: E,N. Orientations: E along 180°E, N along 90°E meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_90_DEG_E_AXES_E_
↪N_ORIENTATIONS_E_ALONG_180_DEG_E_N_ALONG_90_DEG_E_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4484')
```

Used for South Pole tangential and secant projections.

2D CS for south polar azimuthal lonO 90°W. Axes: E,N. Orientations: E along 0°E, N along 90°W meridians. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_2D_CS_FOR_SOUTH_POLAR_AZIMUTHAL_LONO_90_DEG_W_AXES_E_
↪N_ORIENTATIONS_E_ALONG_0_DEG_E_N_ALONG_90_DEG_W_MERIDIANS_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::4475')
```

Used for South Pole tangential and secant projections.

3D CS (geocentric). Axes: geocentric X Y Z. Orientations: X and Y in equatorial plane, X positive through intersection with prime meridian, Y through 0°N 90°E. Z axis parallel to mean earth rotation axis and positive towards North Pole. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_3D_CS_GEOCENTRIC_AXES_GEOCENTRIC_X_Y_Z_ORIENTATIONS_
↪X_AND_Y_IN_EQUATORIAL_PLANE_X_POSITIVE_THROUGH_INTERSECTION_WITH_PRIME_MERIDIAN_Y_
↪THROUGH_0_DEG_N_90_DEG_E_Z_AXIS_PARALLEL_TO_MEAN_EARTH_ROTATION_AXIS_AND_POSITIVE_
↪TOWARDS_NORTH_POLE_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::6500')
```

Earth-centred, Earth-fixed (ECEF) right-handed Cartesian 3D CS, used in geocentric coordinate reference systems.

Affine 3D Axes: northing, easting, ellipsoidal height (X,Y,h). Orientations: north, east, up. Units: metre

```
Cartesian::fromSRID(Cartesian::EPSG_AFFINE_3D_AXES_NORTHING_EASTING_ELLIPSOIDAL_HEIGHT_X_
↪Y_H_ORIENTATIONS_NORTH_EAST_UP_UOM_M)
Cartesian::fromSRID('urn:ogc:def:cs:EPSG::1046')
```

Used in projected 3D CRSs. Away from the projection origin the ellipsoidal height is not exactly orthogonal to the projection plane and strictly the coordinate system is not Cartesian.

1.11.2 Ellipsoidal

Tip: You can access the list of supported coordinate systems at runtime using `Ellipsoidal::getSupportedSRIDs()` or `Ellipsoidal::getSupportedSRIDsWithHelp()`

2D Axes: latitude, longitude. Orientations: north, east. Units: degree

```
Ellipsoidal::fromSRID(Ellipsoidal::EPSG_2D_AXES_LATITUDE_LONGITUDE_ORIENTATIONS_NORTH_
↪EAST_UOM_DEGREE)
Ellipsoidal::fromSRID('urn:ogc:def:cs:EPSG::6422')
```

Coordinates referenced to this CS are in degrees. Any degree representation (e.g. DMSH, decimal, etc.) may be used but that used must be declared for the user by the supplier of data. Used in geographic 2D coordinate reference systems.

2D Axes: latitude, longitude. Orientations: north, east. Units: grads.

```
Ellipsoidal::fromSRID(Ellipsoidal::EPSG_2D_AXES_LATITUDE_LONGITUDE_ORIENTATIONS_NORTH_
↪EAST_UOM_GRADS)
Ellipsoidal::fromSRID('urn:ogc:def:cs:EPSG::6403')
```

Used in geographic 2D coordinate reference systems.

2D Axes: longitude, latitude. Orientations: east, north. Units: degree

```
Ellipsoidal::fromSRID(Ellipsoidal::EPSG_2D_AXES_LONGITUDE_LATITUDE_ORIENTATIONS_EAST_
↪NORTH_UOM_DEGREE)
Ellipsoidal::fromSRID('urn:ogc:def:cs:EPSG::6424')
```

Used in geog2D CRSs for some web mapping: CS code 6422 recommended. Coordinates referenced to this CS are in degrees. Any degree representation (e.g. DMSH, decimal, etc.) may be used but that used must be declared for the user by the supplier of data.

3D Axes: latitude, longitude, ellipsoidal height. Orientations: north, east, up. Units: degree, degree, metre.

```
Ellipsoidal::fromSRID(Ellipsoidal::EPSG_3D_AXES_LATITUDE_LONGITUDE_ELLIPSOIDAL_HEIGHT_
↪ORIENTATIONS_NORTH_EAST_UP_UOM_DEGREE_DEGREE_METRE)
Ellipsoidal::fromSRID('urn:ogc:def:cs:EPSG::6423')
```

Horizontal coordinates referenced to this CS are in degrees. Any degree representation (e.g. DMSH, decimal, etc.) may be used but that used must be declared for the user. Used in geographic 3D coordinate reference systems.

3D Axes: longitude, latitude, ellipsoidal height. Orientations: east, north, up. Units: degree, degree, metre.

```
Ellipsoidal::fromSRID(Ellipsoidal::EPSG_3D_AXES_LONGITUDE_LATITUDE_ELLIPSOIDAL_HEIGHT_
↪ORIENTATIONS_EAST_NORTH_UP_UOM_DEGREE_DEGREE_METRE)
Ellipsoidal::fromSRID('urn:ogc:def:cs:EPSG::6426')
```

Used in some geographic 3D CRSs for web mapping. CS code 6423 recommended instead. Horizontal coordinates referenced to this CS are in degrees. Any degree representation (e.g. DMSH, decimal, etc.) may be used but that used must be declared for the user.

1.11.3 Vertical

Tip: You can access the list of supported coordinate systems at runtime using `Vertical::getSupportedSRIDs()` or `Vertical::getSupportedSRIDsWithHelp()`

Axis: depth (D). Orientation: down. Units: foot.

```
Vertical::fromSRID(Vertical::EPSG_AXIS_DEPTH_D_ORIENTATION_DOWN_UOM_FT)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::6495')
```

Used in vertical coordinate reference systems.

Axis: depth (D). Orientation: down. Units: foot (US).

```
Vertical::fromSRID(Vertical::EPSG_AXIS_DEPTH_D_ORIENTATION_DOWN_UOM_FTUS)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::1043')
```

Used in US vertical coordinate reference systems.

Axis: depth (D). Orientation: down. Units: metre

```
Vertical::fromSRID(Vertical::EPSG_AXIS_DEPTH_D_ORIENTATION_DOWN_UOM_M)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::6498')
```

Used in vertical coordinate reference systems.

Axis: height (H). Orientation: up. Units: British foot (1936).

```
Vertical::fromSRID(Vertical::EPSG_AXIS_HEIGHT_H_ORIENTATION_UP_UOM_FT_BR36)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::6496')
```

Used in vertical coordinate reference systems.

Axis: height (H). Orientation: up. Units: foot.

```
Vertical::fromSRID(Vertical::EPSG_AXIS_HEIGHT_H_ORIENTATION_UP_UOM_FT)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::1030')
```

Used in vertical coordinate reference systems.

Axis: height (H). Orientation: up. Units: foot (US).

```
Vertical::fromSRID(Vertical::EPSG_AXIS_HEIGHT_H_ORIENTATION_UP_UOM_FTUS)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::6497')
```

Used in vertical coordinate reference systems.

Axis: height (H). Orientation: up. Units: metre

```
Vertical::fromSRID(Vertical::EPSG_AXIS_HEIGHT_H_ORIENTATION_UP_UOM_M)
Vertical::fromSRID('urn:ogc:def:cs:EPSG::6499')
```

Used in vertical coordinate reference systems.

1.12 Built in conversions

Tip: You do not normally need to worry about the contents of this list, PHPCoord will automatically pick the right choice when using *Coordinate Conversions in easy mode*. It is provided for reference only.

Note: The contents of this list are subject to change at any time, items on it may be removed, replaced or otherwise altered at any time if the underlying EPSG data is amended.

1.12.1 Geocentric

ATRF2014

`Geocentric::fromSRID(Geocentric::EPSG_ATRF2014)`

to ATRF2014 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ATRF2014)`
	`)`

to GDA2020 (Geocentric)

EPSG	PHPCoord

Name: ATRF2014 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA2020),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ATRF2014 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(-61.55),`
	`  yAxisTranslation: new Millimetre(10.87),`
	`  zAxisTranslation: new Millimetre(40.19),`
	`  xAxisRotation: new ArcSecond(0.0394924),`
	`  yAxisRotation: new ArcSecond(0.0327221),`
	`  zAxisRotation: new ArcSecond(0.0328979),`
	`  scaleDifference: new PartsPerBillion(9.994),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ATRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

Australian Antarctic

```
Geocentric::fromSRID(Geocentric::EPSG_AUSTRALIAN_ANTARCTIC)
```

to Australian Antarctic (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪AUSTRALIAN_ANTARCTIC)`
	`)`

BBT2000

```
Geocentric::fromSRID(Geocentric::EPSG_BBT2000)
```

to BBT2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪BBT2000)`
	`)`

BDA2000

```
Geocentric::fromSRID(Geocentric::EPSG_BDA2000)
```

to BDA2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪BDA2000)`
	`)`

BGS2005

`Geocentric::fromSRID(Geocentric::EPSG_BGS2005)`

to BGS2005 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪BGS2005)`
	`)`

BH_ETRS89

`Geocentric::fromSRID(Geocentric::EPSG_BH_ETRS89)`

to BH_ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪BH_ETRS89)`
	`)`

CGRS93

`Geocentric::fromSRID(Geocentric::EPSG_CGRS93)`

to CGRS93 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CGRS93)`
	`)`

CHTRS95

```
Geocentric::fromSRID(Geocentric::EPSG_CHTRS95)
```

to CHTRS95 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CHTRS95)`
	`)`

CIGD11

```
Geocentric::fromSRID(Geocentric::EPSG_CIGD11)
```

to CIGD11 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CIGD11)`
	`)`

CR-SIRGAS

```
Geocentric::fromSRID(Geocentric::EPSG_CR_SIRGAS)
```

to CR-SIRGAS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CR_SIRGAS)`
	`)`

CR05

`Geocentric::fromSRID(Geocentric::EPSG_CR05)`

to CR05 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CR05)`
	`)`

Cadastre 1997

`Geocentric::fromSRID(Geocentric::EPSG_CADASTRE_1997)`

to Cadastre 1997 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CADASTRE_1997)`
	`)`

China Geodetic Coordinate System 2000

`Geocentric::fromSRID(Geocentric::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)`

to China Geodetic Coordinate System 2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)`
	`)`

DB_REF

```
Geocentric::fromSRID(Geocentric::EPSG_DB_REF)
```

to DB_REF (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪DB_REF)`
	`)`

DGN95

```
Geocentric::fromSRID(Geocentric::EPSG_DGN95)
```

to DGN95 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪DGN95)`
	`)`

DRUKREF 03

```
Geocentric::fromSRID(Geocentric::EPSG_DRUKREF_03)
```

to DRUKREF 03 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪DRUKREF_03)`
	`)`

EST97

`Geocentric::fromSRID(Geocentric::EPSG_EST97)`

to EST97 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪EST97)`
	`)`

ETRF2000

`Geocentric::fromSRID(Geocentric::EPSG_ETRF2000)`

to ETRF2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF2000)`
	`)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRF2000 (geog3D to geocen)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRS89)`
	`)`

to ETRS89/DREF91/2016 (Geocentric)

EPSG	PHPCoord

Name: ETRS89/DREF91/2016 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ETRS89_DREF91_2016),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0.000658),`
	`  yAxisRotation: new ArcSecond(0.000208),`
	`  zAxisRotation: new ArcSecond(-0.000755),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ETRF2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-54),`
	`  yAxisTranslation: new Millimetre(-51),`
	`  zAxisTranslation: new Millimetre(48),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008712),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(-54.1),`
	`  yAxisTranslation: new Millimetre(-50.2),`
	`  zAxisTranslation: new Millimetre(53.8),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008712),`
	`  scaleDifference: new PartsPerBillion(-0.4),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Millimetre(-52.1),`
	`  yAxisTranslation: new Millimetre(-49.3),`
	`  zAxisTranslation: new Millimetre(58.5),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008712),`
	`  scaleDifference: new PartsPerBillion(-1.34),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(-54.7),`
	`  yAxisTranslation: new Millimetre(-52.2),`
	`  zAxisTranslation: new Millimetre(74.1),`
	`  xAxisRotation: new ArcSecond(-0.001701),`
	`  yAxisRotation: new ArcSecond(-0.01029),`
	`  zAxisRotation: new ArcSecond(0.016632),`
	`  scaleDifference: new PartsPerBillion(-2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Millimetre(-53.8),`
	`  yAxisTranslation: new Millimetre(-51.8),`
	`  zAxisTranslation: new Millimetre(82.2),`
	`  xAxisRotation: new ArcSecond(-0.002106),`
	`  yAxisRotation: new ArcSecond(-0.01274),`
	`  zAxisRotation: new ArcSecond(0.020592),`
	`  scaleDifference: new PartsPerBillion(-2.25),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF89),`
	`  xAxisTranslation: new Millimetre(-24.3),`
	`  yAxisTranslation: new Millimetre(-10.7),`
	`  zAxisTranslation: new Millimetre(-42.7),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(5.97),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF90),`
	`  xAxisTranslation: new Millimetre(-29.3),`
	`  yAxisTranslation: new Millimetre(-34.7),`
	`  zAxisTranslation: new Millimetre(-4.7),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(2.57),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Millimetre(-27.3),`
	`  yAxisTranslation: new Millimetre(-30.7),`
	`  zAxisTranslation: new Millimetre(11.3),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(2.27),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF92),`
	`  xAxisTranslation: new Millimetre(-39.3),`
	`  yAxisTranslation: new Millimetre(-44.7),`
	`  zAxisTranslation: new Millimetre(17.3),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(0.87),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF93),`
	`  xAxisTranslation: new Millimetre(-76.1),`
	`  yAxisTranslation: new Millimetre(-46.9),`
	`  zAxisTranslation: new Millimetre(19.9),`
	`  xAxisRotation: new ArcSecond(-0.002601),`
	`  yAxisRotation: new ArcSecond(-0.00687),`
	`  zAxisRotation: new ArcSecond(0.008412),`
	`  scaleDifference: new PartsPerBillion(2.07),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-2.9), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000191), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00068), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000862), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Millimetre(-47.3),`
	`  yAxisTranslation: new Millimetre(-46.7),`
	`  zAxisTranslation: new Millimetre(25.3),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(1.58),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF96),`
	`  xAxisTranslation: new Millimetre(-47.3),`
	`  yAxisTranslation: new Millimetre(-46.7),`
	`  zAxisTranslation: new Millimetre(25.3),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(1.58),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF97),`
	`  xAxisTranslation: new Millimetre(-47.3),`
	`  yAxisTranslation: new Millimetre(-46.7),`
	`  zAxisTranslation: new Millimetre(25.3),`
	`  xAxisRotation: new ArcSecond(-0.000891),`
	`  yAxisRotation: new ArcSecond(-0.00539),`
	`  zAxisRotation: new ArcSecond(0.008772),`
	`  scaleDifference: new PartsPerBillion(1.58),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

ETRF2000-PL

`Geocentric::fromSRID(Geocentric::EPSG_ETRF2000_PL)`

to ETRF2000-PL (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000_PL)`
	`)`

ETRF2005

`Geocentric::fromSRID(Geocentric::EPSG_ETRF2005)`

to ETRF2005 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2005)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2005 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(-56),`
	`  yAxisTranslation: new Millimetre(-48),`
	`  zAxisTranslation: new Millimetre(37),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-5.4E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000518), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000781), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF2014

`Geocentric::fromSRID(Geocentric::EPSG_ETRF2014)`

to ETRF2014 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2014)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Millimetre(0.7),`
	`  yAxisTranslation: new Millimetre(1.2),`
	`  zAxisTranslation: new Millimetre(-26.1),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01617),`
	`  scaleDifference: new PartsPerBillion(2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(2.6),`
	`  yAxisTranslation: new Millimetre(1),`
	`  zAxisTranslation: new Millimetre(-2.3),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01617),`
	`  scaleDifference: new PartsPerBillion(0.92),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Millimetre(1.6),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(2.4),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01617),`
	`  scaleDifference: new PartsPerBillion(-0.02),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ETRF2014 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01617),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Millimetre(1.4),`
	`  yAxisTranslation: new Millimetre(0.9),`
	`  zAxisTranslation: new Millimetre(-1.4),`
	`  xAxisRotation: new ArcSecond(-0.00221),`
	`  yAxisRotation: new ArcSecond(-0.013806),`
	`  zAxisRotation: new ArcSecond(0.02002),`
	`  scaleDifference: new PartsPerBillion(0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF89),`
	`  xAxisTranslation: new Millimetre(30.4),`
	`  yAxisTranslation: new Millimetre(35.5),`
	`  zAxisTranslation: new Millimetre(-130.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(8.19),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF90),`
	`  xAxisTranslation: new Millimetre(25.4),`
	`  yAxisTranslation: new Millimetre(11.5),`
	`  zAxisTranslation: new Millimetre(-92.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(4.79),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Millimetre(27.4),`
	`  yAxisTranslation: new Millimetre(15.5),`
	`  zAxisTranslation: new Millimetre(-76.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(4.49),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF92),`
	`  xAxisTranslation: new Millimetre(15.4),`
	`  yAxisTranslation: new Millimetre(1.5),`
	`  zAxisTranslation: new Millimetre(-70.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(3.09),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF93),`
	`  xAxisTranslation: new Millimetre(-50.4),`
	`  yAxisTranslation: new Millimetre(3.3),`
	`  zAxisTranslation: new Millimetre(-60.2),`
	`  xAxisRotation: new ArcSecond(-0.004595),`
	`  yAxisRotation: new ArcSecond(-0.014531),`
	`  zAxisRotation: new ArcSecond(0.01657),`
	`  scaleDifference: new PartsPerBillion(4.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-2.5), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000195), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000721), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00084), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Millimetre(7.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-62.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF96),`
	`  xAxisTranslation: new Millimetre(7.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-62.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF97),`
	`  xAxisTranslation: new Millimetre(7.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-62.8),`
	`  xAxisRotation: new ArcSecond(-0.001785),`
	`  yAxisRotation: new ArcSecond(-0.011151),`
	`  zAxisRotation: new ArcSecond(0.01643),`
	`  scaleDifference: new PartsPerBillion(3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

ETRF2020

`Geocentric::fromSRID(Geocentric::EPSG_ETRF2020)`

to ETRF2020 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2020)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0.2),`
	`  yAxisTranslation: new Millimetre(0.8),`
	`  zAxisTranslation: new Millimetre(-34.2),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019578),`
	`  scaleDifference: new PartsPerBillion(2.25),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(2.7),`
	`  yAxisTranslation: new Millimetre(0.1),`
	`  zAxisTranslation: new Millimetre(-1.4),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019578),`
	`  scaleDifference: new PartsPerBillion(0.65),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Millimetre(0.2),`
	`  yAxisTranslation: new Millimetre(1),`
	`  zAxisTranslation: new Millimetre(3.3),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019578),`
	`  scaleDifference: new PartsPerBillion(-0.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-1.4),`
	`  yAxisTranslation: new Millimetre(-0.9),`
	`  zAxisTranslation: new Millimetre(1.4),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019578),`
	`  scaleDifference: new PartsPerBillion(-0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

Name: ITRF2020 to ETRF2020 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019578),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF89),`
	`  xAxisTranslation: new Millimetre(29.5),`
	`  yAxisTranslation: new Millimetre(32.1),`
	`  zAxisTranslation: new Millimetre(-145.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(8.37),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF90),`
	`  xAxisTranslation: new Millimetre(24.5),`
	`  yAxisTranslation: new Millimetre(8.1),`
	`  zAxisTranslation: new Millimetre(-107.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(4.97),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Millimetre(26.5),`
	`  yAxisTranslation: new Millimetre(12.1),`
	`  zAxisTranslation: new Millimetre(-91.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(4.67),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF92),`
	`  xAxisTranslation: new Millimetre(14.5),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(-85.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(3.27),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF93),`
	`  xAxisTranslation: new Millimetre(-65.8),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(-71.3),`
	`  xAxisRotation: new ArcSecond(-0.005596),`
	`  yAxisRotation: new ArcSecond(-0.017824),`
	`  zAxisRotation: new ArcSecond(0.020328),`
	`  scaleDifference: new PartsPerBillion(4.47),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-2.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000196), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000709), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000823), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Millimetre(6.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-77.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF96),`
	`  xAxisTranslation: new Millimetre(6.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-77.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF97),`
	`  xAxisTranslation: new Millimetre(6.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-77.9),`
	`  xAxisRotation: new ArcSecond(-0.002236),`
	`  yAxisRotation: new ArcSecond(-0.013494),`
	`  zAxisRotation: new ArcSecond(0.019938),`
	`  scaleDifference: new PartsPerBillion(3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

ETRF89

`Geocentric::fromSRID(Geocentric::EPSG_ETRF89)`

to ETRF89 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF89)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF89),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00057), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00071), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF90

`Geocentric::fromSRID(Geocentric::EPSG_ETRF90)`

to ETRF90 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF90)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF90),`
	`  xAxisTranslation: new Centimetre(-1.9),`
	`  yAxisTranslation: new Centimetre(-2.8),`
	`  zAxisTranslation: new Centimetre(2.3),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00057), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00071), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF91

`Geocentric::fromSRID(Geocentric::EPSG_ETRF91)`

to ETRF91 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF91)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF91 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF91),`
	`  xAxisTranslation: new Centimetre(-2.1),`
	`  yAxisTranslation: new Centimetre(-2.5),`
	`  zAxisTranslation: new Centimetre(3.7),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00021), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00052), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00068), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF92

`Geocentric::fromSRID(Geocentric::EPSG_ETRF92)`

to ETRF92 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF92)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF92),`
	`  xAxisTranslation: new Centimetre(-3.8),`
	`  yAxisTranslation: new Centimetre(-4),`
	`  zAxisTranslation: new Centimetre(3.7),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00021), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00052), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00068), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF93

`Geocentric::fromSRID(Geocentric::EPSG_ETRF93)`

to ETRF93 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF93)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF93 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF93),`
	`  xAxisTranslation: new Centimetre(-1.9),`
	`  yAxisTranslation: new Centimetre(-5.3),`
	`  zAxisTranslation: new Centimetre(2.1),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00032), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00078), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00067), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF94

`Geocentric::fromSRID(Geocentric::EPSG_ETRF94)`

to ETRF94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF94)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF94),`
	`  xAxisTranslation: new Centimetre(-4.1),`
	`  yAxisTranslation: new Centimetre(-4.1),`
	`  zAxisTranslation: new Centimetre(4.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0002), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0005), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00065), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF96

`Geocentric::fromSRID(Geocentric::EPSG_ETRF96)`

to ETRF96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF96)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF96),`
	`  xAxisTranslation: new Centimetre(-4.1),`
	`  yAxisTranslation: new Centimetre(-4.1),`
	`  zAxisTranslation: new Centimetre(4.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0002), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0005), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00065), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRF97

`Geocentric::fromSRID(Geocentric::EPSG_ETRF97)`

to ETRF97 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF97)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF97 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF97),`
	`  xAxisTranslation: new Centimetre(-4.1),`
	`  yAxisTranslation: new Centimetre(-4.1),`
	`  zAxisTranslation: new Centimetre(4.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0002), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0005), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.00065), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

ETRS89

`Geocentric::fromSRID(Geocentric::EPSG_ETRS89)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89)`
	`)`

to WGS 84 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - offshore North Sea - Germany and Netherlands east of 5°E
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-0.054),`
	`  yAxisTranslation: new Metre(-0.051),`
	`  zAxisTranslation: new Metre(0.085),`
	`  xAxisRotation: new ArcSecond(-0.0021),`
	`  yAxisRotation: new ArcSecond(-0.0126),`
	`  zAxisRotation: new ArcSecond(0.0204),`
	`  scaleDifference: new PartsPerMillion(-0.0025),`
	`  transformationReferenceEpoch: new Year(2014.81)`
	`)`

ETRS89/DREF91/2016

`Geocentric::fromSRID(Geocentric::EPSG_ETRS89_DREF91_2016)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ETRS89/DREF91/2016 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0.000658),`
	`  yAxisRotation: new ArcSecond(-0.000208),`
	`  zAxisRotation: new ArcSecond(0.000755),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to ETRS89/DREF91/2016 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRS89_DREF91_2016)`
	`)`

FEH2010

`Geocentric::fromSRID(Geocentric::EPSG_FEH2010)`

to FEH2010 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪FEH2010)`
	`)`

GDA2020

`Geocentric::fromSRID(Geocentric::EPSG_GDA2020)`

to ATRF2014 (Geocentric)

EPSG	PHPCoord

Name: ATRF2014 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ATRF2014),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to GDA2020 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDA2020)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to WGS 84 (G1762) (Geocentric)

EPSG	PHPCoord

Name: GDA2020 to WGS 84 (G1762) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1762),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

GDA94

`Geocentric::fromSRID(Geocentric::EPSG_GDA94)`

to ATRF2014 (Geocentric)

EPSG	PHPCoord

Name: ATRF2014 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ATRF2014),`
	`  xAxisTranslation: new Millimetre(61.55),`
	`  yAxisTranslation: new Millimetre(-10.87),`
	`  zAxisTranslation: new Millimetre(-40.19),`
	`  xAxisRotation: new ArcSecond(-0.0394924),`
	`  yAxisRotation: new ArcSecond(-0.0327221),`
	`  zAxisRotation: new ArcSecond(-0.0328979),`
	`  scaleDifference: new PartsPerBillion(-9.994),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to GDA94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDA94)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Millimetre(45.91),`
	`  yAxisTranslation: new Millimetre(29.85),`
	`  zAxisTranslation: new Millimetre(20.37),`
	`  xAxisRotation: new ArcSecond(0.0016705),`
	`  yAxisRotation: new ArcSecond(-0.0004594),`
	`  zAxisRotation: new ArcSecond(-0.0019356),`
	`  scaleDifference: new PartsPerBillion(-7.07),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(4.66), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-3.55), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-11.24), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0017454), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0014868), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.001224), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.249), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(79.73),`
	`  yAxisTranslation: new Millimetre(6.86),`
	`  zAxisTranslation: new Millimetre(-38.03),`
	`  xAxisRotation: new ArcSecond(3.51E-5),`
	`  yAxisRotation: new ArcSecond(-0.0021211),`
	`  zAxisRotation: new ArcSecond(-0.0021411),`
	`  scaleDifference: new PartsPerBillion(-6.636),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-2.25), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.62), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.56), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0014707), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0011443), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.0011701), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.294), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Millimetre(84.68),`
	`  yAxisTranslation: new Millimetre(19.42),`
	`  zAxisTranslation: new Millimetre(-32.01),`
	`  xAxisRotation: new ArcSecond(0.0004254),`
	`  yAxisRotation: new ArcSecond(-0.0022578),`
	`  zAxisRotation: new ArcSecond(-0.0024015),`
	`  scaleDifference: new PartsPerBillion(-9.71),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-1.42), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-1.34), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0015461), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.001182), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.0011551), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.109), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(61.55),`
	`  yAxisTranslation: new Millimetre(-10.87),`
	`  zAxisTranslation: new Millimetre(-40.19),`
	`  xAxisRotation: new ArcSecond(-0.0394924),`
	`  yAxisRotation: new ArcSecond(-0.0327221),`
	`  zAxisRotation: new ArcSecond(-0.0328979),`
	`  scaleDifference: new PartsPerBillion(-9.994),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF96),`
	`  xAxisTranslation: new Millimetre(-24.54),`
	`  yAxisTranslation: new Millimetre(36.43),`
	`  zAxisTranslation: new Millimetre(68.12),`
	`  xAxisRotation: new ArcSecond(0.0027359),`
	`  yAxisRotation: new ArcSecond(0.0020431),`
	`  zAxisRotation: new ArcSecond(-0.0003731),`
	`  scaleDifference: new PartsPerBillion(-6.901),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(21.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-4.71), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-26.27), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.0020203), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.0021735), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.001629), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.388), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF97),`
	`  xAxisTranslation: new Millimetre(14.63),`
	`  yAxisTranslation: new Millimetre(27.62),`
	`  zAxisTranslation: new Millimetre(25.32),`
	`  xAxisRotation: new ArcSecond(0.0017893),`
	`  yAxisRotation: new ArcSecond(0.0006047),`
	`  zAxisRotation: new ArcSecond(-0.0009962),`
	`  scaleDifference: new PartsPerBillion(-6.695),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(8.6), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.36), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-11.25), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.0016394), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0015198), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.0013801), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.007), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

GDBD2009

`Geocentric::fromSRID(Geocentric::EPSG_GDBD2009)`

to GDBD2009 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GDBD2009)`
	`)`

GDM2000

```
Geocentric::fromSRID(Geocentric::EPSG_GDM2000)
```

to GDM2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GDM2000)`
	`)`

GR96

```
Geocentric::fromSRID(Geocentric::EPSG_GR96)
```

to GR96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GR96)`
	`)`

GSK-2011

```
Geocentric::fromSRID(Geocentric::EPSG_GSK_2011)
```

to GSK-2011 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GSK_2011)`
	`)`

to PZ-90.11 (Geocentric)

EPSG	PHPCoord

Name: GSK-2011 to PZ-90.11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_90_11),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0.014),`
	`  zAxisTranslation: new Metre(-0.008),`
	`  xAxisRotation: new ArcSecond(-0.000562),`
	`  yAxisRotation: new ArcSecond(-1.9E-5),`
	`  zAxisRotation: new ArcSecond(5.3E-5),`
	`  scaleDifference: new PartsPerMillion(-0.0006),`
	`  transformationReferenceEpoch: new Year(2011)`
	`)`

HTRS96

`Geocentric::fromSRID(Geocentric::EPSG_HTRS96)`

to HTRS96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_HTRS96)`
	`)`

Hartebeesthoek94

`Geocentric::fromSRID(Geocentric::EPSG_HARTEBEESTHOEK94)`

to Hartebeesthoek94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪HARTEBEESTHOEK94)`
	`)`

Hong Kong Geodetic CS

`Geocentric::fromSRID(Geocentric::EPSG_HONG_KONG_GEODETIC_CS)`

to Hong Kong Geodetic CS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪HONG_KONG_GEODETIC_CS)`
	`)`

IG05 Intermediate CRS

`Geocentric::fromSRID(Geocentric::EPSG_IG05_INTERMEDIATE_CRS)`

to IG05 Intermediate CRS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IG05_INTERMEDIATE_CRS)`
	`)`

IG05/12 Intermediate CRS

```
Geocentric::fromSRID(Geocentric::EPSG_IG05_12_INTERMEDIATE_CRS)
```

to IG05/12 Intermediate CRS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IG05_12_INTERMEDIATE_CRS)`
	`)`

IGD05

```
Geocentric::fromSRID(Geocentric::EPSG_IGD05)
```

to IGD05 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGD05)`
	`)`

IGD05/12

```
Geocentric::fromSRID(Geocentric::EPSG_IGD05_12)
```

to IGD05/12 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGD05_12)`
	`)`

IGM95

`Geocentric::fromSRID(Geocentric::EPSG_IGM95)`

to IGM95 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGM95)`
	`)`

IGRS

`Geocentric::fromSRID(Geocentric::EPSG_IGRS)`

to IGRS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGRS)`
	`)`

to IGS08 (Geocentric)

EPSG	PHPCoord

Name: IGS08 to IGRS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq
	`$point->positionVectorMolodenskyBadekas(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS08),`
	`  xAxisTranslation: new Metre(-0.208),`
	`  yAxisTranslation: new Metre(0.012),`
	`  zAxisTranslation: new Metre(0.229),`
	`  xAxisRotation: new ArcSecond(0.01182),`
	`  yAxisRotation: new ArcSecond(-0.00811),`
	`  zAxisRotation: new ArcSecond(0.01677),`
	`  scaleDifference: new PartsPerMillion(0.0059),`
	`  ordinate1OfEvaluationPoint: new Metre(3777505.028),`
	`  ordinate2OfEvaluationPoint: new Metre(3779254.396),`
	`  ordinate3OfEvaluationPoint: new Metre(3471111.632)`
	`)`

Name: IGS08 to IGRS (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS08),`
	`  xAxisTranslation: new Metre(0.214),`
	`  yAxisTranslation: new Metre(-0.119),`
	`  zAxisTranslation: new Metre(-0.156),`
	`  xAxisRotation: new ArcSecond(0.01182),`
	`  yAxisRotation: new ArcSecond(-0.00811),`
	`  zAxisRotation: new ArcSecond(0.01677),`
	`  scaleDifference: new PartsPerMillion(0.0059)`
	`)`

IGS00

`Geocentric::fromSRID(Geocentric::EPSG_IGS00)`

to IGS00 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGS00)`
	`)`

to IGS97 (Geocentric)

EPSG	PHPCoord

Name: IGS97 to IGS00 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS97),`
	`  xAxisTranslation: new Millimetre(6),`
	`  yAxisTranslation: new Millimetre(5.6),`
	`  zAxisTranslation: new Millimetre(-20.1),`
	`  xAxisRotation: new ArcSecond(4.0E-5),`
	`  yAxisRotation: new ArcSecond(-1.0E-6),`
	`  zAxisRotation: new ArcSecond(-4.3E-5),`
	`  scaleDifference: new PartsPerBillion(1.403),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.4), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.8), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.5), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-4.0E-6), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(1.0E-6), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(3.0E-6), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.012), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1998)`
	`)`

to IGb00 (Geocentric)

EPSG	PHPCoord

Name: IGS00 to IGb00 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGB00),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(1998)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to IGS00 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(1998)`
	`)`

IGS05

`Geocentric::fromSRID(Geocentric::EPSG_IGS05)`

to IGS05 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGS05)`
	`)`

to IGS08 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to IGS08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS08),`
	`  xAxisTranslation: new Millimetre(1.5),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(5.8),`
	`  xAxisRotation: new ArcSecond(-1.2E-5),`
	`  yAxisRotation: new ArcSecond(1.4E-5),`
	`  zAxisRotation: new ArcSecond(1.4E-5),`
	`  scaleDifference: new PartsPerBillion(-1.04),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-2.0E-6), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-3.0E-6), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(1.0E-6), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2005)`
	`)`

to IGb00 (Geocentric)

EPSG	PHPCoord

Name: IGb00 to IGS05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB00),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-1.7),`
	`  zAxisTranslation: new Millimetre(-5.3),`
	`  xAxisRotation: new ArcSecond(-2.24E-5),`
	`  yAxisRotation: new ArcSecond(3.41E-5),`
	`  zAxisRotation: new ArcSecond(-9.9E-6),`
	`  scaleDifference: new PartsPerBillion(0.8473),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.4), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.7), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(3.3E-6), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-1.0E-7), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-1.61E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.1748), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to IGS05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2000)`
	`)`

to SIRGAS-CON DGF07P01 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to SIRGAS-CON DGF07P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF07P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2004.5)`
	`)`

to SIRGAS-CON DGF08P01 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to SIRGAS-CON DGF08P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF08P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2004.5)`
	`)`

to SIRGAS-CON SIR09P01 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to SIRGAS-CON SIR09P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR09P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

IGS08

`Geocentric::fromSRID(Geocentric::EPSG_IGS08)`

to IGRS (Geocentric)

EPSG	PHPCoord

Name: IGS08 to IGRS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq
	`$point->positionVectorMolodenskyBadekas(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGRS),`
	`  xAxisTranslation: new Metre(0.208),`
	`  yAxisTranslation: new Metre(-0.012),`
	`  zAxisTranslation: new Metre(-0.229),`
	`  xAxisRotation: new ArcSecond(-0.01182),`
	`  yAxisRotation: new ArcSecond(0.00811),`
	`  zAxisRotation: new ArcSecond(-0.01677),`
	`  scaleDifference: new PartsPerMillion(-0.0059),`
	`  ordinate1OfEvaluationPoint: new Metre(3777505.028),`
	`  ordinate2OfEvaluationPoint: new Metre(3779254.396),`
	`  ordinate3OfEvaluationPoint: new Metre(3471111.632)`
	`)`

Name: IGS08 to IGRS (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGRS),`
	`  xAxisTranslation: new Metre(-0.214),`
	`  yAxisTranslation: new Metre(0.119),`
	`  zAxisTranslation: new Metre(0.156),`
	`  xAxisRotation: new ArcSecond(-0.01182),`
	`  yAxisRotation: new ArcSecond(0.00811),`
	`  zAxisRotation: new ArcSecond(-0.01677),`
	`  scaleDifference: new PartsPerMillion(-0.0059)`
	`)`

to IGS05 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to IGS08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS05),`
	`  xAxisTranslation: new Millimetre(-1.5),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-5.8),`
	`  xAxisRotation: new ArcSecond(1.2E-5),`
	`  yAxisRotation: new ArcSecond(-1.4E-5),`
	`  zAxisRotation: new ArcSecond(-1.4E-5),`
	`  scaleDifference: new PartsPerBillion(1.04),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(2.0E-6), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(3.0E-6), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-1.0E-6), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2005)`
	`)`

to IGS08 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGS08)`
	`)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: IGS08 to IGb08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGB08),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to IGS08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to SIRGAS-Chile 2010 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2010 to IGS08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CHILE_2010),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

IGS14

`Geocentric::fromSRID(Geocentric::EPSG_IGS14)`

to IGS14 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS14)`
	`)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to IGS14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB08),`
	`  xAxisTranslation: new Millimetre(1.6),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(2.4),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0.02),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to IGb14 (Geocentric)

EPSG	PHPCoord

Name: IGS14 to IGb14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB14),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to IGS14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to SIRGAS-CON SIR17P01 (Geocentric)

EPSG	PHPCoord

Name: IGS14 to SIRGAS-CON SIR17P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_SIR17P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2015)`
	`)`

IGS20

`Geocentric::fromSRID(Geocentric::EPSG_IGS20)`

to IGS20 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGS20)`
	`)`

to IGb14 (Geocentric)

EPSG	PHPCoord

Name: IGb14 to IGS20 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB14),`
	`  xAxisTranslation: new Millimetre(-1.4),`
	`  yAxisTranslation: new Millimetre(-0.9),`
	`  zAxisTranslation: new Millimetre(1.4),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to IGS20 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2015)`
	`)`

IGS97

`Geocentric::fromSRID(Geocentric::EPSG_IGS97)`

to IGS00 (Geocentric)

EPSG	PHPCoord

Name: IGS97 to IGS00 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS00),`
	`  xAxisTranslation: new Millimetre(-6),`
	`  yAxisTranslation: new Millimetre(-5.6),`
	`  zAxisTranslation: new Millimetre(20.1),`
	`  xAxisRotation: new ArcSecond(-4.0E-5),`
	`  yAxisRotation: new ArcSecond(1.0E-6),`
	`  zAxisRotation: new ArcSecond(4.3E-5),`
	`  scaleDifference: new PartsPerBillion(-1.403),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.4), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.8), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.5), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(4.0E-6), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-1.0E-6), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-3.0E-6), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.012), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1998)`
	`)`

to IGS97 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS97)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to IGS97 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF97),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(1997)`
	`)`

IGb00

`Geocentric::fromSRID(Geocentric::EPSG_IGB00)`

to IGS00 (Geocentric)

EPSG	PHPCoord

Name: IGS00 to IGb00 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS00),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(1998)`
	`)`

to IGS05 (Geocentric)

EPSG	PHPCoord

Name: IGb00 to IGS05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS05),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(1.7),`
	`  zAxisTranslation: new Millimetre(5.3),`
	`  xAxisRotation: new ArcSecond(2.24E-5),`
	`  yAxisRotation: new ArcSecond(-3.41E-5),`
	`  zAxisRotation: new ArcSecond(9.9E-6),`
	`  scaleDifference: new PartsPerBillion(-0.8473),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.4), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.7), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-3.3E-6), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(1.0E-7), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(1.61E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.1748), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to IGb00 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGB00)`
	`)`

IGb08

`Geocentric::fromSRID(Geocentric::EPSG_IGB08)`

to IGS08 (Geocentric)

EPSG	PHPCoord

Name: IGS08 to IGb08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS08),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to IGS14 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to IGS14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS14),`
	`  xAxisTranslation: new Millimetre(-1.6),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(-2.4),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0.02),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to IGb08 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGB08)`
	`)`

to SIRGAS-CON SIR13P01 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to SIRGAS-CON SIR13P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_SIR13P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2012)`
	`)`

to SIRGAS-CON SIR14P01 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to SIRGAS-CON SIR14P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_SIR14P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2013)`
	`)`

to SIRGAS-CON SIR15P01 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to SIRGAS-CON SIR15P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_SIR15P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2013)`
	`)`

to SIRGAS-Chile 2013 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2013 to IGb08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CHILE_2013),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2013)`
	`)`

to SIRGAS-Chile 2016 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2016 to IGb08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CHILE_2016),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2016)`
	`)`

IGb14

`Geocentric::fromSRID(Geocentric::EPSG_IGB14)`

to IGS14 (Geocentric)

EPSG	PHPCoord

Name: IGS14 to IGb14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS14),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to IGS20 (Geocentric)

EPSG	PHPCoord

Name: IGb14 to IGS20 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS20),`
	`  xAxisTranslation: new Millimetre(1.4),`
	`  yAxisTranslation: new Millimetre(0.9),`
	`  zAxisTranslation: new Millimetre(-1.4),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to IGb14 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGB14)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to IGb14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Centimetre(-0),`
	`  yAxisTranslation: new Centimetre(-0),`
	`  zAxisTranslation: new Centimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

IRENET95

```
Geocentric::fromSRID(Geocentric::EPSG_IRENET95)
```

to IRENET95 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IRENET95)`
	`)`

ISN2004

```
Geocentric::fromSRID(Geocentric::EPSG_ISN2004)
```

to ISN2004 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ISN2004)`
	`)`

ISN2016

`Geocentric::fromSRID(Geocentric::EPSG_ISN2016)`

to ISN2016 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ISN2016)`
	`)`

ISN93

`Geocentric::fromSRID(Geocentric::EPSG_ISN93)`

to ISN93 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ISN93)`
	`)`

ITRF2000

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2000)
```

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ETRF2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(54),`
	`  yAxisTranslation: new Millimetre(51),`
	`  zAxisTranslation: new Millimetre(-48),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008712),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-0.7),`
	`  yAxisTranslation: new Millimetre(-1.2),`
	`  zAxisTranslation: new Millimetre(26.1),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01617),`
	`  scaleDifference: new PartsPerBillion(-2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(0.2),`
	`  yAxisTranslation: new Millimetre(-0.8),`
	`  zAxisTranslation: new Millimetre(34.2),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019578),`
	`  scaleDifference: new PartsPerBillion(-2.25),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(-45.91),`
	`  yAxisTranslation: new Millimetre(-29.85),`
	`  zAxisTranslation: new Millimetre(-20.37),`
	`  xAxisRotation: new ArcSecond(-0.0016705),`
	`  yAxisRotation: new ArcSecond(0.0004594),`
	`  zAxisRotation: new ArcSecond(0.0019356),`
	`  scaleDifference: new PartsPerBillion(7.07),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-4.66), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.55), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(11.24), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0017454), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0014868), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.001224), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.249), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to IGS00 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to IGS00 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS00),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(1998)`
	`)`

to ITRF2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2000)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-0.7),`
	`  yAxisTranslation: new Millimetre(-1.2),`
	`  zAxisTranslation: new Millimetre(26.1),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(0.2),`
	`  yAxisTranslation: new Millimetre(-0.8),`
	`  zAxisTranslation: new Millimetre(34.2),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-2.25),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to NAD83(CORS96) (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96),`
	`  xAxisTranslation: new Metre(0.9956),`
	`  yAxisTranslation: new Metre(-1.9013),`
	`  zAxisTranslation: new Metre(-0.5215),`
	`  xAxisRotation: new ArcSecond(0.025915),`
	`  yAxisRotation: new ArcSecond(0.009426),`
	`  zAxisRotation: new ArcSecond(0.011599),`
	`  scaleDifference: new PartsPerBillion(0.62),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0005), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.18), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CSRS)v4 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(CSRS)v4 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V4),`
	`  xAxisTranslation: new Metre(0.9956),`
	`  yAxisTranslation: new Metre(-1.9013),`
	`  zAxisTranslation: new Metre(-0.5214),`
	`  xAxisRotation: new ArcSecond(-0.025915),`
	`  yAxisRotation: new ArcSecond(-0.009426),`
	`  zAxisRotation: new ArcSecond(-0.011599),`
	`  scaleDifference: new PartsPerBillion(0.615),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0005), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.182), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(MARP00) (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(MARP00) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_MARP00),`
	`  xAxisTranslation: new Metre(0.9102),`
	`  yAxisTranslation: new Metre(-2.0141),`
	`  zAxisTranslation: new Metre(-0.5602),`
	`  xAxisRotation: new ArcSecond(0.029039),`
	`  yAxisRotation: new ArcSecond(0.010065),`
	`  zAxisRotation: new ArcSecond(0.010101),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1993.62)`
	`)`

to NAD83(PACP00) (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(PACP00) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_PACP00),`
	`  xAxisTranslation: new Metre(0.9102),`
	`  yAxisTranslation: new Metre(-2.0141),`
	`  zAxisTranslation: new Metre(-0.5602),`
	`  xAxisRotation: new ArcSecond(0.029039),`
	`  yAxisRotation: new ArcSecond(0.010065),`
	`  zAxisRotation: new ArcSecond(0.010101),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1993.62)`
	`)`

to SIRGAS 2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - SIRGAS 2000 by country
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2000.4)`
	`)`

to SIRGAS-CON DGF01P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF01P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF01P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2000)`
	`)`

to SIRGAS-CON DGF01P02 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF01P02 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF01P02),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(1998.4)`
	`)`

to SIRGAS-CON DGF02P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF02P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF02P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2000)`
	`)`

to SIRGAS-CON DGF04P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF04P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF04P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2003)`
	`)`

to SIRGAS-CON DGF05P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF05P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF05P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2004)`
	`)`

to SIRGAS-CON DGF06P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF06P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF06P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2004)`
	`)`

to SIRGAS-Chile 2002 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2002 to ITRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2002)`
	`)`

to UCS-2000 (Geocentric)

EPSG	PHPCoord

Name: UCS-2000 to ITRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine
	`$point->geocentricTranslation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_UCS_2000),`
	`  xAxisTranslation: new Metre(-24.322),`
	`  yAxisTranslation: new Metre(121.372),`
	`  zAxisTranslation: new Metre(75.847)`
	`)`

to WGS 84 (G1150) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to ITRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1150),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

ITRF2005

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF2005)
```

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(54.1),`
	`  yAxisTranslation: new Millimetre(50.2),`
	`  zAxisTranslation: new Millimetre(-53.8),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008712),`
	`  scaleDifference: new PartsPerBillion(0.4),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2005 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2005),`
	`  xAxisTranslation: new Millimetre(56),`
	`  yAxisTranslation: new Millimetre(48),`
	`  zAxisTranslation: new Millimetre(-37),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(5.4E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000518), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000781), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-2.6),`
	`  yAxisTranslation: new Millimetre(-1),`
	`  zAxisTranslation: new Millimetre(2.3),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01617),`
	`  scaleDifference: new PartsPerBillion(-0.92),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-2.7),`
	`  yAxisTranslation: new Millimetre(-0.1),`
	`  zAxisTranslation: new Millimetre(1.4),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019578),`
	`  scaleDifference: new PartsPerBillion(-0.65),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_GDA94),`
	`  xAxisTranslation: new Millimetre(-79.73),`
	`  yAxisTranslation: new Millimetre(-6.86),`
	`  zAxisTranslation: new Millimetre(38.03),`
	`  xAxisRotation: new ArcSecond(-3.51E-5),`
	`  yAxisRotation: new ArcSecond(0.0021211),`
	`  zAxisRotation: new ArcSecond(0.0021411),`
	`  scaleDifference: new PartsPerBillion(6.636),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(2.25), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.62), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.56), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.0014707), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.0011443), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.0011701), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.294), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to IGS05 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to IGS05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS05),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2000)`
	`)`

to ITRF2005 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2005)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-2.6),`
	`  yAxisTranslation: new Millimetre(-1),`
	`  zAxisTranslation: new Millimetre(2.3),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-0.92),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-2.7),`
	`  yAxisTranslation: new Millimetre(-0.1),`
	`  zAxisTranslation: new Millimetre(1.4),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-0.65),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to NAD83(CSRS)v5 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to NAD83(CSRS)v5 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V5),`
	`  xAxisTranslation: new Metre(0.9963),`
	`  yAxisTranslation: new Metre(-1.9024),`
	`  zAxisTranslation: new Metre(-0.5219),`
	`  xAxisRotation: new ArcSecond(-0.025915),`
	`  yAxisRotation: new ArcSecond(-0.009426),`
	`  zAxisRotation: new ArcSecond(-0.011599),`
	`  scaleDifference: new PartsPerBillion(0.775),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0005), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0013), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.102), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

ITRF2008

`Geocentric::fromSRID(Geocentric::EPSG_ITRF2008)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(52.1),`
	`  yAxisTranslation: new Millimetre(49.3),`
	`  zAxisTranslation: new Millimetre(-58.5),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008712),`
	`  scaleDifference: new PartsPerBillion(1.34),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-1.6),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(-2.4),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01617),`
	`  scaleDifference: new PartsPerBillion(0.02),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-0.2),`
	`  yAxisTranslation: new Millimetre(-1),`
	`  zAxisTranslation: new Millimetre(-3.3),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019578),`
	`  scaleDifference: new PartsPerBillion(0.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(-84.68),`
	`  yAxisTranslation: new Millimetre(-19.42),`
	`  zAxisTranslation: new Millimetre(32.01),`
	`  xAxisRotation: new ArcSecond(-0.0004254),`
	`  yAxisRotation: new ArcSecond(0.0022578),`
	`  zAxisRotation: new ArcSecond(0.0024015),`
	`  scaleDifference: new PartsPerBillion(9.71),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.42), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.34), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0015461), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.001182), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0011551), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.109), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to IGS08 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to IGS08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS08),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to ITRF2008 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2008)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-1.6),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(-2.4),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0.02),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-0.2),`
	`  yAxisTranslation: new Millimetre(-1),`
	`  zAxisTranslation: new Millimetre(-3.3),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to NAD83(2011) (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_2011),`
	`  xAxisTranslation: new Metre(0.99343),`
	`  yAxisTranslation: new Metre(-1.90331),`
	`  zAxisTranslation: new Metre(-0.52655),`
	`  xAxisRotation: new ArcSecond(0.02591467),`
	`  yAxisRotation: new ArcSecond(0.00942645),`
	`  zAxisRotation: new ArcSecond(0.01159935),`
	`  scaleDifference: new PartsPerBillion(1.71504),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.00134), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.10201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CSRS)v6 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(CSRS)v6 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V6),`
	`  xAxisTranslation: new Metre(0.99343),`
	`  yAxisTranslation: new Metre(-1.90331),`
	`  zAxisTranslation: new Metre(-0.52655),`
	`  xAxisRotation: new ArcSecond(-0.02591467),`
	`  yAxisRotation: new ArcSecond(-0.00942645),`
	`  zAxisRotation: new ArcSecond(-0.01159935),`
	`  scaleDifference: new PartsPerBillion(1.71504),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.00134), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.102), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(MA11) (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_MA11),`
	`  xAxisTranslation: new Metre(0.908),`
	`  yAxisTranslation: new Metre(-2.0161),`
	`  zAxisTranslation: new Metre(-0.5653),`
	`  xAxisRotation: new ArcSecond(0.028971),`
	`  yAxisRotation: new ArcSecond(0.01042),`
	`  zAxisRotation: new ArcSecond(0.008928),`
	`  scaleDifference: new PartsPerBillion(1.1),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0018), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(PA11) (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_PA11),`
	`  xAxisTranslation: new Metre(0.908),`
	`  yAxisTranslation: new Metre(-2.0161),`
	`  zAxisTranslation: new Metre(-0.5653),`
	`  xAxisRotation: new ArcSecond(0.027741),`
	`  yAxisRotation: new ArcSecond(0.013469),`
	`  zAxisRotation: new ArcSecond(0.002712),`
	`  scaleDifference: new PartsPerBillion(1.1),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0018), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to PZ-90.11 (Geocentric)

EPSG	PHPCoord

Name: PZ-90.11 to ITRF2008 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_90_11),`
	`  xAxisTranslation: new Metre(0.003),`
	`  yAxisTranslation: new Metre(0.001),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-1.9E-5),`
	`  yAxisRotation: new ArcSecond(4.2E-5),`
	`  zAxisRotation: new ArcSecond(-2.0E-6),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to SIRGAS-CON SIR10P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to SIRGAS-CON SIR10P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_SIR10P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to SIRGAS-CON SIR11P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to SIRGAS-CON SIR11P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_SIR11P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to WGS 84 (G1674) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1674) to ITRF2008 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1674),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to WGS 84 (G1762) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1762) to ITRF2008 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1762),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

ITRF2014

`Geocentric::fromSRID(Geocentric::EPSG_ITRF2014)`

to ATRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ATRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ATRF2014),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(54.7),`
	`  yAxisTranslation: new Millimetre(52.2),`
	`  zAxisTranslation: new Millimetre(-74.1),`
	`  xAxisRotation: new ArcSecond(0.001701),`
	`  yAxisRotation: new ArcSecond(0.01029),`
	`  zAxisRotation: new ArcSecond(-0.016632),`
	`  scaleDifference: new PartsPerBillion(2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ETRF2014 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01617),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(1.4),`
	`  yAxisTranslation: new Millimetre(0.9),`
	`  zAxisTranslation: new Millimetre(-1.4),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019578),`
	`  scaleDifference: new PartsPerBillion(0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to GDA2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA2020),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(-61.55),`
	`  yAxisTranslation: new Millimetre(10.87),`
	`  zAxisTranslation: new Millimetre(40.19),`
	`  xAxisRotation: new ArcSecond(0.0394924),`
	`  yAxisRotation: new ArcSecond(0.0327221),`
	`  zAxisRotation: new ArcSecond(0.0328979),`
	`  scaleDifference: new PartsPerBillion(9.994),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to IGS14 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to IGS14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS14),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to IGb14 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to IGb14 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB14),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Millimetre(0.7),`
	`  yAxisTranslation: new Millimetre(1.2),`
	`  zAxisTranslation: new Millimetre(-26.1),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.9), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(2.6),`
	`  yAxisTranslation: new Millimetre(1),`
	`  zAxisTranslation: new Millimetre(-2.3),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(0.92),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Millimetre(1.6),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(2.4),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0.02),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2014 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2014)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Millimetre(1.4),`
	`  yAxisTranslation: new Millimetre(0.9),`
	`  zAxisTranslation: new Millimetre(-1.4),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF88 (Geocentric)

EPSG	PHPCoord

Name: ITRF88 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF88),`
	`  xAxisTranslation: new Millimetre(25.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-154.8),`
	`  xAxisRotation: new ArcSecond(0.0001),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(11.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF89),`
	`  xAxisTranslation: new Millimetre(30.4),`
	`  yAxisTranslation: new Millimetre(35.5),`
	`  zAxisTranslation: new Millimetre(-130.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(8.19),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF90),`
	`  xAxisTranslation: new Millimetre(25.4),`
	`  yAxisTranslation: new Millimetre(11.5),`
	`  zAxisTranslation: new Millimetre(-92.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(4.79),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Millimetre(27.4),`
	`  yAxisTranslation: new Millimetre(15.5),`
	`  zAxisTranslation: new Millimetre(-76.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(4.49),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF92),`
	`  xAxisTranslation: new Millimetre(15.4),`
	`  yAxisTranslation: new Millimetre(1.5),`
	`  zAxisTranslation: new Millimetre(-70.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(3.09),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF93),`
	`  xAxisTranslation: new Millimetre(-50.4),`
	`  yAxisTranslation: new Millimetre(3.3),`
	`  zAxisTranslation: new Millimetre(-60.2),`
	`  xAxisRotation: new ArcSecond(-0.00281),`
	`  yAxisRotation: new ArcSecond(-0.00338),`
	`  zAxisRotation: new ArcSecond(0.0004),`
	`  scaleDifference: new PartsPerBillion(4.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-2.5), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00019), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(7.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF94),`
	`  xAxisTranslation: new Millimetre(7.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-62.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF96),`
	`  xAxisTranslation: new Millimetre(7.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-62.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF97),`
	`  xAxisTranslation: new Millimetre(7.4),`
	`  yAxisTranslation: new Millimetre(-0.5),`
	`  zAxisTranslation: new Millimetre(-62.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00026),`
	`  scaleDifference: new PartsPerBillion(3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to KSA-GRF17 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to KSA-GRF17 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_KSA_GRF17),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.001199), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000107), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.001468), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2017)`
	`)`

to NAD83(2011) (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_2011),`
	`  xAxisTranslation: new Metre(1.0053),`
	`  yAxisTranslation: new Metre(-1.90921),`
	`  zAxisTranslation: new Metre(-0.54157),`
	`  xAxisRotation: new ArcSecond(0.02678138),`
	`  yAxisRotation: new ArcSecond(-0.00042027),`
	`  zAxisRotation: new ArcSecond(0.01093206),`
	`  scaleDifference: new PartsPerBillion(0.36891),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.00144), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(CSRS)v7 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(CSRS)v7 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V7),`
	`  xAxisTranslation: new Metre(1.0053),`
	`  yAxisTranslation: new Metre(-1.90921),`
	`  zAxisTranslation: new Metre(-0.54157),`
	`  xAxisRotation: new ArcSecond(-0.02678138),`
	`  yAxisRotation: new ArcSecond(0.00042027),`
	`  zAxisRotation: new ArcSecond(-0.01093206),`
	`  scaleDifference: new PartsPerBillion(0.36891),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.00144), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(MA11) (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_MA11),`
	`  xAxisTranslation: new Metre(0.9109),`
	`  yAxisTranslation: new Metre(-2.0129),`
	`  zAxisTranslation: new Metre(-0.5863),`
	`  xAxisRotation: new ArcSecond(0.028711),`
	`  yAxisRotation: new ArcSecond(0.011785),`
	`  zAxisRotation: new ArcSecond(0.004417),`
	`  scaleDifference: new PartsPerBillion(2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(PA11) (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_PA11),`
	`  xAxisTranslation: new Metre(0.9109),`
	`  yAxisTranslation: new Metre(-2.0129),`
	`  zAxisTranslation: new Metre(-0.5863),`
	`  xAxisRotation: new ArcSecond(0.022749),`
	`  yAxisRotation: new ArcSecond(0.02656),`
	`  zAxisRotation: new ArcSecond(-0.025706),`
	`  scaleDifference: new PartsPerBillion(2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to SIRGAS-Chile 2021 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2021 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2021),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2021)`
	`)`

to WGS 84 (G2139) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G2139) to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

ITRF2020

`Geocentric::fromSRID(Geocentric::EPSG_ITRF2020)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(53.8),`
	`  yAxisTranslation: new Millimetre(51.8),`
	`  zAxisTranslation: new Millimetre(-82.2),`
	`  xAxisRotation: new ArcSecond(0.002106),`
	`  yAxisRotation: new ArcSecond(0.01274),`
	`  zAxisRotation: new ArcSecond(-0.020592),`
	`  scaleDifference: new PartsPerBillion(2.25),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000792), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-1.4),`
	`  yAxisTranslation: new Millimetre(-0.9),`
	`  zAxisTranslation: new Millimetre(1.4),`
	`  xAxisRotation: new ArcSecond(0.00221),`
	`  yAxisRotation: new ArcSecond(0.013806),`
	`  zAxisRotation: new ArcSecond(-0.02002),`
	`  scaleDifference: new PartsPerBillion(-0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00077), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

Name: ITRF2020 to ETRF2020 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019578),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000753), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to IGS20 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to IGS20 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS20),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2015)`
	`)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0.2),`
	`  yAxisTranslation: new Millimetre(0.8),`
	`  zAxisTranslation: new Millimetre(-34.2),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(2.25),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2005),`
	`  xAxisTranslation: new Millimetre(2.7),`
	`  yAxisTranslation: new Millimetre(0.1),`
	`  zAxisTranslation: new Millimetre(-1.4),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(0.65),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.3), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Millimetre(0.2),`
	`  yAxisTranslation: new Millimetre(1),`
	`  zAxisTranslation: new Millimetre(3.3),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.03), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-1.4),`
	`  yAxisTranslation: new Millimetre(-0.9),`
	`  zAxisTranslation: new Millimetre(1.4),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0.42),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF2020 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2020)`
	`)`

to ITRF88 (Geocentric)

EPSG	PHPCoord

Name: ITRF88 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF88),`
	`  xAxisTranslation: new Millimetre(24.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-169.9),`
	`  xAxisRotation: new ArcSecond(0.0001),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(11.47),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF89),`
	`  xAxisTranslation: new Millimetre(29.5),`
	`  yAxisTranslation: new Millimetre(32.1),`
	`  zAxisTranslation: new Millimetre(-145.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(8.37),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF90),`
	`  xAxisTranslation: new Millimetre(24.5),`
	`  yAxisTranslation: new Millimetre(8.1),`
	`  zAxisTranslation: new Millimetre(-107.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(4.97),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Millimetre(26.5),`
	`  yAxisTranslation: new Millimetre(12.1),`
	`  zAxisTranslation: new Millimetre(-91.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(4.67),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF92),`
	`  xAxisTranslation: new Millimetre(14.5),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(-85.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(3.27),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF93),`
	`  xAxisTranslation: new Millimetre(-65.8),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(-71.3),`
	`  xAxisRotation: new ArcSecond(-0.00336),`
	`  yAxisRotation: new ArcSecond(-0.00433),`
	`  zAxisRotation: new ArcSecond(0.00075),`
	`  scaleDifference: new PartsPerBillion(4.47),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.2), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-2.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00019), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(7.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Millimetre(6.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-77.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF96),`
	`  xAxisTranslation: new Millimetre(6.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-77.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF97),`
	`  xAxisTranslation: new Millimetre(6.5),`
	`  yAxisTranslation: new Millimetre(-3.9),`
	`  zAxisTranslation: new Millimetre(-77.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.00036),`
	`  scaleDifference: new PartsPerBillion(3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to NAD83(2011) (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_2011),`
	`  xAxisTranslation: new Millimetre(1003.9),`
	`  yAxisTranslation: new Millimetre(-1909.61),`
	`  zAxisTranslation: new Millimetre(-541.17),`
	`  xAxisRotation: new ArcSecond(0.02678138),`
	`  yAxisRotation: new ArcSecond(-0.00042027),`
	`  zAxisRotation: new ArcSecond(0.01093206),`
	`  scaleDifference: new PartsPerBillion(-0.05109),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.79), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.7), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.24), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(CSRS)v8 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(CSRS)v8 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V8),`
	`  xAxisTranslation: new Metre(1.0039),`
	`  yAxisTranslation: new Metre(-1.90961),`
	`  zAxisTranslation: new Metre(-0.54117),`
	`  xAxisRotation: new ArcSecond(-0.02678138),`
	`  yAxisRotation: new ArcSecond(0.00042027),`
	`  zAxisRotation: new ArcSecond(-0.01093206),`
	`  scaleDifference: new PartsPerBillion(-0.05109),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.00124), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(MA11) (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_MA11),`
	`  xAxisTranslation: new Millimetre(909.5),`
	`  yAxisTranslation: new Millimetre(-2013.3),`
	`  zAxisTranslation: new Millimetre(-585.9),`
	`  xAxisRotation: new ArcSecond(0.028711),`
	`  yAxisRotation: new ArcSecond(0.011785),`
	`  zAxisRotation: new ArcSecond(0.004417),`
	`  scaleDifference: new PartsPerBillion(1.7),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(PA11) (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_PA11),`
	`  xAxisTranslation: new Millimetre(909.5),`
	`  yAxisTranslation: new Millimetre(-2013.3),`
	`  zAxisTranslation: new Millimetre(-585.9),`
	`  xAxisRotation: new ArcSecond(0.022749),`
	`  yAxisRotation: new ArcSecond(0.02656),`
	`  zAxisRotation: new ArcSecond(-0.025706),`
	`  scaleDifference: new PartsPerBillion(1.7),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to WGS 84 (G2296) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G2296) to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2296),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

ITRF88

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF88)
```

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF88 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(-25.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(154.8),`
	`  xAxisRotation: new ArcSecond(-0.0001),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-11.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF88 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-24.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(169.9),`
	`  xAxisRotation: new ArcSecond(-0.0001),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-11.47),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF88 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF88)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF88 to ITRF89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF89),`
	`  xAxisTranslation: new Centimetre(0.5),`
	`  yAxisTranslation: new Centimetre(3.6),`
	`  zAxisTranslation: new Centimetre(2.4),`
	`  xAxisRotation: new ArcSecond(-0.0001),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-3.1)`
	`)`

ITRF89

`Geocentric::fromSRID(Geocentric::EPSG_ITRF89)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(24.3),`
	`  yAxisTranslation: new Millimetre(10.7),`
	`  zAxisTranslation: new Millimetre(42.7),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-5.97),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-30.4),`
	`  yAxisTranslation: new Millimetre(-35.5),`
	`  zAxisTranslation: new Millimetre(130.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-8.19),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-29.5),`
	`  yAxisTranslation: new Millimetre(-32.1),`
	`  zAxisTranslation: new Millimetre(145.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-8.37),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ETRF89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF89),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00057), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00071), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(-30.4),`
	`  yAxisTranslation: new Millimetre(-35.5),`
	`  zAxisTranslation: new Millimetre(130.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-8.19),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-29.5),`
	`  yAxisTranslation: new Millimetre(-32.1),`
	`  zAxisTranslation: new Millimetre(145.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-8.37),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF88 (Geocentric)

EPSG	PHPCoord

Name: ITRF88 to ITRF89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF88),`
	`  xAxisTranslation: new Centimetre(-0.5),`
	`  yAxisTranslation: new Centimetre(-3.6),`
	`  zAxisTranslation: new Centimetre(-2.4),`
	`  xAxisRotation: new ArcSecond(0.0001),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(3.1)`
	`)`

to ITRF89 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF89)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ITRF90 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF90),`
	`  xAxisTranslation: new Centimetre(-0.5),`
	`  yAxisTranslation: new Centimetre(-2.4),`
	`  zAxisTranslation: new Centimetre(3.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-3.4)`
	`)`

ITRF90

`Geocentric::fromSRID(Geocentric::EPSG_ITRF90)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(29.3),`
	`  yAxisTranslation: new Millimetre(34.7),`
	`  zAxisTranslation: new Millimetre(4.7),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-2.57),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-25.4),`
	`  yAxisTranslation: new Millimetre(-11.5),`
	`  zAxisTranslation: new Millimetre(92.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-4.79),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-24.5),`
	`  yAxisTranslation: new Millimetre(-8.1),`
	`  zAxisTranslation: new Millimetre(107.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-4.97),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ETRF90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF90),`
	`  xAxisTranslation: new Centimetre(1.9),`
	`  yAxisTranslation: new Centimetre(2.8),`
	`  zAxisTranslation: new Centimetre(-2.3),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00057), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00071), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-25.4),`
	`  yAxisTranslation: new Millimetre(-11.5),`
	`  zAxisTranslation: new Millimetre(92.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-4.79),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-24.5),`
	`  yAxisTranslation: new Millimetre(-8.1),`
	`  zAxisTranslation: new Millimetre(107.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-4.97),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF89 (Geocentric)

EPSG	PHPCoord

Name: ITRF89 to ITRF90 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF89),`
	`  xAxisTranslation: new Centimetre(0.5),`
	`  yAxisTranslation: new Centimetre(2.4),`
	`  zAxisTranslation: new Centimetre(-3.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(3.4)`
	`)`

to ITRF90 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF90)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ITRF91 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Centimetre(0.2),`
	`  yAxisTranslation: new Centimetre(0.4),`
	`  zAxisTranslation: new Centimetre(1.6),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-0.3)`
	`)`

to WGS 84 (Transit) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (Transit) to ITRF90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_`
	`↪84_TRANSIT),`
	`  xAxisTranslation: new Metre(0.06),`
	`  yAxisTranslation: new Metre(-0.517),`
	`  zAxisTranslation: new Metre(-0.223),`
	`  xAxisRotation: new ArcSecond(0.0183),`
	`  yAxisRotation: new ArcSecond(-0.0003),`
	`  zAxisRotation: new ArcSecond(0.007),`
	`  scaleDifference: new PartsPerMillion(-0.011)`
	`)`

ITRF91

```
Geocentric::fromSRID(Geocentric::EPSG_ITRF91)
```

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(27.3),`
	`  yAxisTranslation: new Millimetre(30.7),`
	`  zAxisTranslation: new Millimetre(-11.3),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-2.27),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-27.4),`
	`  yAxisTranslation: new Millimetre(-15.5),`
	`  zAxisTranslation: new Millimetre(76.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-4.49),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-26.5),`
	`  yAxisTranslation: new Millimetre(-12.1),`
	`  zAxisTranslation: new Millimetre(91.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-4.67),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ETRF91 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF91),`
	`  xAxisTranslation: new Centimetre(2.1),`
	`  yAxisTranslation: new Centimetre(2.5),`
	`  zAxisTranslation: new Centimetre(-3.7),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.00021), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00052), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00068), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-27.4),`
	`  yAxisTranslation: new Millimetre(-15.5),`
	`  zAxisTranslation: new Millimetre(76.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-4.49),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-26.5),`
	`  yAxisTranslation: new Millimetre(-12.1),`
	`  zAxisTranslation: new Millimetre(91.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-4.67),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: ITRF90 to ITRF91 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF90),`
	`  xAxisTranslation: new Centimetre(-0.2),`
	`  yAxisTranslation: new Centimetre(-0.4),`
	`  zAxisTranslation: new Centimetre(-1.6),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(0.3)`
	`)`

to ITRF91 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF91)`
	`)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ITRF92 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF92),`
	`  xAxisTranslation: new Centimetre(-1.2),`
	`  yAxisTranslation: new Centimetre(-1.4),`
	`  zAxisTranslation: new Centimetre(0.6),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-1.4)`
	`)`

ITRF92

`Geocentric::fromSRID(Geocentric::EPSG_ITRF92)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(39.3),`
	`  yAxisTranslation: new Millimetre(44.7),`
	`  zAxisTranslation: new Millimetre(-17.3),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-0.87),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-15.4),`
	`  yAxisTranslation: new Millimetre(-1.5),`
	`  zAxisTranslation: new Millimetre(70.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-3.09),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-14.5),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(85.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-3.27),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ETRF92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF92),`
	`  xAxisTranslation: new Centimetre(3.8),`
	`  yAxisTranslation: new Centimetre(4),`
	`  zAxisTranslation: new Centimetre(-3.7),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.00021), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00052), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00068), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-15.4),`
	`  yAxisTranslation: new Millimetre(-1.5),`
	`  zAxisTranslation: new Millimetre(70.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-3.09),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-14.5),`
	`  yAxisTranslation: new Millimetre(1.9),`
	`  zAxisTranslation: new Millimetre(85.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-3.27),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF91 (Geocentric)

EPSG	PHPCoord

Name: ITRF91 to ITRF92 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF91),`
	`  xAxisTranslation: new Centimetre(1.2),`
	`  yAxisTranslation: new Centimetre(1.4),`
	`  zAxisTranslation: new Centimetre(-0.6),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(1.4)`
	`)`

to ITRF92 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF92)`
	`)`

to NAD83(CSRS96) (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to NAD83(CSRS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS96),`
	`  xAxisTranslation: new Metre(0.936),`
	`  yAxisTranslation: new Metre(-1.984),`
	`  zAxisTranslation: new Metre(-0.543),`
	`  xAxisRotation: new ArcSecond(-0.0275),`
	`  yAxisRotation: new ArcSecond(-0.0155),`
	`  zAxisRotation: new ArcSecond(-0.0107),`
	`  scaleDifference: new PartsPerBillion(5),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-5.2E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000742), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(3.2E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to WGS 84 (G730) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G730) to ITRF92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G730),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

ITRF93

`Geocentric::fromSRID(Geocentric::EPSG_ITRF93)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(76.1),`
	`  yAxisTranslation: new Millimetre(46.9),`
	`  zAxisTranslation: new Millimetre(-19.9),`
	`  xAxisRotation: new ArcSecond(0.002601),`
	`  yAxisRotation: new ArcSecond(0.00687),`
	`  zAxisRotation: new ArcSecond(-0.008412),`
	`  scaleDifference: new PartsPerBillion(-2.07),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(2.9), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.000191), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00068), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000862), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(50.4),`
	`  yAxisTranslation: new Millimetre(-3.3),`
	`  zAxisTranslation: new Millimetre(60.2),`
	`  xAxisRotation: new ArcSecond(0.004595),`
	`  yAxisRotation: new ArcSecond(0.014531),`
	`  zAxisRotation: new ArcSecond(-0.01657),`
	`  scaleDifference: new PartsPerBillion(-4.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(2.5), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.000195), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000721), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00084), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(65.8),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(71.3),`
	`  xAxisRotation: new ArcSecond(0.005596),`
	`  yAxisRotation: new ArcSecond(0.017824),`
	`  zAxisRotation: new ArcSecond(-0.020328),`
	`  scaleDifference: new PartsPerBillion(-4.47),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(2.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.000196), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000709), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000823), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ETRF93 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF93),`
	`  xAxisTranslation: new Centimetre(1.9),`
	`  yAxisTranslation: new Centimetre(5.3),`
	`  zAxisTranslation: new Centimetre(-2.1),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.00032), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00078), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00067), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(50.4),`
	`  yAxisTranslation: new Millimetre(-3.3),`
	`  zAxisTranslation: new Millimetre(60.2),`
	`  xAxisRotation: new ArcSecond(0.00281),`
	`  yAxisRotation: new ArcSecond(0.00338),`
	`  zAxisRotation: new ArcSecond(-0.0004),`
	`  scaleDifference: new PartsPerBillion(-4.29),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(2.5), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00019), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-7.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(65.8),`
	`  yAxisTranslation: new Millimetre(-1.9),`
	`  zAxisTranslation: new Millimetre(71.3),`
	`  xAxisRotation: new ArcSecond(0.00336),`
	`  yAxisRotation: new ArcSecond(0.00433),`
	`  zAxisRotation: new ArcSecond(-0.00075),`
	`  scaleDifference: new PartsPerBillion(-4.47),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(2.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.2), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(2.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00019), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-7.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF93 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF93)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ITRF94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Centimetre(-0.6),`
	`  yAxisTranslation: new Centimetre(0.5),`
	`  zAxisTranslation: new Centimetre(1.5),`
	`  xAxisRotation: new ArcSecond(0.00039),`
	`  yAxisRotation: new ArcSecond(-0.0008),`
	`  zAxisRotation: new ArcSecond(0.00096),`
	`  scaleDifference: new PartsPerBillion(-0.49),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Centimetre(0.29), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Centimetre(-0.04), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Centimetre(-0.08), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00019), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-5.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to NAD83(CSRS96) (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to NAD83(CSRS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS96),`
	`  xAxisTranslation: new Metre(0.94),`
	`  yAxisTranslation: new Metre(-1.979),`
	`  zAxisTranslation: new Metre(-0.534),`
	`  xAxisRotation: new ArcSecond(-0.02709),`
	`  yAxisRotation: new ArcSecond(-0.01622),`
	`  zAxisRotation: new ArcSecond(-0.00987),`
	`  scaleDifference: new PartsPerBillion(4.1),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0023), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0004), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0008), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(7.8E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000962), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-8.0E-6), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

ITRF94

`Geocentric::fromSRID(Geocentric::EPSG_ITRF94)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(47.3),`
	`  yAxisTranslation: new Millimetre(46.7),`
	`  zAxisTranslation: new Millimetre(-25.3),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-1.58),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-7.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(62.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-6.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(77.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ETRF94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF94),`
	`  xAxisTranslation: new Centimetre(4.1),`
	`  yAxisTranslation: new Centimetre(4.1),`
	`  zAxisTranslation: new Centimetre(-4.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.0002), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.0005), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00065), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(-7.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(62.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-6.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(77.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to ITRF94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF93),`
	`  xAxisTranslation: new Centimetre(0.6),`
	`  yAxisTranslation: new Centimetre(-0.5),`
	`  zAxisTranslation: new Centimetre(-1.5),`
	`  xAxisRotation: new ArcSecond(-0.00039),`
	`  yAxisRotation: new ArcSecond(0.0008),`
	`  zAxisRotation: new ArcSecond(-0.00096),`
	`  scaleDifference: new PartsPerBillion(0.49),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Centimetre(-0.29), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Centimetre(0.04), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Centimetre(0.08), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00011), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00019), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(5.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to ITRF94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF94)`
	`)`

to NAD83(CSRS96) (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to NAD83(CSRS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS96),`
	`  xAxisTranslation: new Metre(0.942),`
	`  yAxisTranslation: new Metre(-1.979),`
	`  zAxisTranslation: new Metre(-0.534),`
	`  xAxisRotation: new ArcSecond(-0.0273),`
	`  yAxisRotation: new ArcSecond(-0.0154),`
	`  zAxisRotation: new ArcSecond(-0.0107),`
	`  scaleDifference: new PartsPerBillion(4.9),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.0004), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0004), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0008), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-5.2E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000762), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(3.2E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to SIRGAS 1995 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - SIRGAS 1995 by country
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_1995),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(1995.4)`
	`)`

to WGS 84 (G873) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G873) to ITRF94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G873),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

ITRF96

`Geocentric::fromSRID(Geocentric::EPSG_ITRF96)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(47.3),`
	`  yAxisTranslation: new Millimetre(46.7),`
	`  zAxisTranslation: new Millimetre(-25.3),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-1.58),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-7.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(62.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-6.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(77.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ETRF96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF96),`
	`  xAxisTranslation: new Centimetre(4.1),`
	`  yAxisTranslation: new Centimetre(4.1),`
	`  zAxisTranslation: new Centimetre(-4.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.0002), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.0005), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00065), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(24.54),`
	`  yAxisTranslation: new Millimetre(-36.43),`
	`  zAxisTranslation: new Millimetre(-68.12),`
	`  xAxisRotation: new ArcSecond(-0.0027359),`
	`  yAxisRotation: new ArcSecond(-0.0020431),`
	`  zAxisRotation: new ArcSecond(0.0003731),`
	`  scaleDifference: new PartsPerBillion(6.901),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-21.8), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(4.71), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(26.27), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0020203), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0021735), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.001629), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.388), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(-7.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(62.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-6.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(77.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF96)`
	`)`

to NAD83(CORS96) (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96),`
	`  xAxisTranslation: new Metre(0.991),`
	`  yAxisTranslation: new Metre(-1.9072),`
	`  zAxisTranslation: new Metre(-0.5129),`
	`  xAxisRotation: new ArcSecond(0.02579),`
	`  yAxisRotation: new ArcSecond(0.00965),`
	`  zAxisRotation: new ArcSecond(0.01166),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(5.32E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0007423), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-3.16E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CSRS)v2 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V2),`
	`  xAxisTranslation: new Metre(0.991),`
	`  yAxisTranslation: new Metre(-1.9072),`
	`  zAxisTranslation: new Metre(-0.5129),`
	`  xAxisRotation: new ArcSecond(-0.02579),`
	`  yAxisRotation: new ArcSecond(-0.00965),`
	`  zAxisRotation: new ArcSecond(-0.01166),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-5.32E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.0007423), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(3.16E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

ITRF97

`Geocentric::fromSRID(Geocentric::EPSG_ITRF97)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2000),`
	`  xAxisTranslation: new Millimetre(47.3),`
	`  yAxisTranslation: new Millimetre(46.7),`
	`  zAxisTranslation: new Millimetre(-25.3),`
	`  xAxisRotation: new ArcSecond(0.000891),`
	`  yAxisRotation: new ArcSecond(0.00539),`
	`  zAxisRotation: new ArcSecond(-0.008772),`
	`  scaleDifference: new PartsPerBillion(-1.58),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.1E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00049), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000812), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2000)`
	`)`

to ETRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2014),`
	`  xAxisTranslation: new Millimetre(-7.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(62.8),`
	`  xAxisRotation: new ArcSecond(0.001785),`
	`  yAxisRotation: new ArcSecond(0.011151),`
	`  zAxisRotation: new ArcSecond(-0.01643),`
	`  scaleDifference: new PartsPerBillion(-3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.5E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000531), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00079), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ETRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF2020),`
	`  xAxisTranslation: new Millimetre(-6.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(77.9),`
	`  xAxisRotation: new ArcSecond(0.002236),`
	`  yAxisRotation: new ArcSecond(0.013494),`
	`  zAxisRotation: new ArcSecond(-0.019938),`
	`  scaleDifference: new PartsPerBillion(-3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(8.6E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000519), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.000773), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ETRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ETRF97 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ETRF97),`
	`  xAxisTranslation: new Centimetre(4.1),`
	`  yAxisTranslation: new Centimetre(4.1),`
	`  zAxisTranslation: new Centimetre(-4.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Centimetre(0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.0002), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.0005), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-0.00065), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1989)`
	`)`

to GDA94 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore and EEZ
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(-14.63),`
	`  yAxisTranslation: new Millimetre(-27.62),`
	`  zAxisTranslation: new Millimetre(-25.32),`
	`  xAxisRotation: new ArcSecond(-0.0017893),`
	`  yAxisRotation: new ArcSecond(-0.0006047),`
	`  zAxisRotation: new ArcSecond(0.0009962),`
	`  scaleDifference: new PartsPerBillion(6.695),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-8.6), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.36), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(11.25), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0016394), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0015198), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.0013801), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.007), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1994)`
	`)`

to IGS97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to IGS97 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪IGS97),`
	`  xAxisTranslation: new Centimetre(0),`
	`  yAxisTranslation: new Centimetre(0),`
	`  zAxisTranslation: new Centimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(1997)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(-7.4),`
	`  yAxisTranslation: new Millimetre(0.5),`
	`  zAxisTranslation: new Millimetre(62.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00026),`
	`  scaleDifference: new PartsPerBillion(-3.8),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.5), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(3.3), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-6.5),`
	`  yAxisTranslation: new Millimetre(3.9),`
	`  zAxisTranslation: new Millimetre(77.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.00036),`
	`  scaleDifference: new PartsPerBillion(-3.98),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(3.1), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.12), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2015)`
	`)`

to ITRF97 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF97)`
	`)`

to NAD83(CORS96) (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96),`
	`  xAxisTranslation: new Metre(0.9889),`
	`  yAxisTranslation: new Metre(-1.9074),`
	`  zAxisTranslation: new Metre(-0.503),`
	`  xAxisRotation: new ArcSecond(0.025915),`
	`  yAxisRotation: new ArcSecond(0.009426),`
	`  zAxisRotation: new ArcSecond(0.011599),`
	`  scaleDifference: new PartsPerBillion(-0.93),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-3.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.19), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CSRS)v3 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to NAD83(CSRS)v3 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V3),`
	`  xAxisTranslation: new Metre(0.9889),`
	`  yAxisTranslation: new Metre(-1.9074),`
	`  zAxisTranslation: new Metre(-0.503),`
	`  xAxisRotation: new ArcSecond(-0.025915),`
	`  yAxisRotation: new ArcSecond(-0.009426),`
	`  zAxisRotation: new ArcSecond(-0.011599),`
	`  scaleDifference: new PartsPerBillion(-0.935),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(3.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.192), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to SIRGAS-CON DGF00P01 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to SIRGAS-CON DGF00P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF00P01),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0),`
	`  transformationReferenceEpoch: new Year(2000.4)`
	`)`

JAD2001

```
Geocentric::fromSRID(Geocentric::EPSG_JAD2001)
```

to JAD2001 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪JAD2001)`
	`)`

JGD2000

```
Geocentric::fromSRID(Geocentric::EPSG_JGD2000)
```

to JGD2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪JGD2000)`
	`)`

JGD2011

```
Geocentric::fromSRID(Geocentric::EPSG_JGD2011)
```

to JGD2011 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪JGD2011)`
	`)`

KGD2002

```
Geocentric::fromSRID(Geocentric::EPSG_KGD2002)
```

to KGD2002 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_KGD2002)`
	`)`

KOSOVAREF01

```
Geocentric::fromSRID(Geocentric::EPSG_KOSOVAREF01)
```

to KOSOVAREF01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_KOSOVAREF01)`
	`)`

KSA-GRF17

```
Geocentric::fromSRID(Geocentric::EPSG_KSA_GRF17)
```

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to KSA-GRF17 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.001199), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000107), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.001468), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2017)`
	`)`

to KSA-GRF17 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪KSA_GRF17)`
	`)`

Kyrg-06

`Geocentric::fromSRID(Geocentric::EPSG_KYRG_06)`

to Kyrg-06 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪KYRG_06)`
	`)`

LGD2006

`Geocentric::fromSRID(Geocentric::EPSG_LGD2006)`

to LGD2006 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LGD2006)`
	`)`

LKS-2020

`Geocentric::fromSRID(Geocentric::EPSG_LKS_2020)`

to LKS-2020 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LKS_2020)`
	`)`

LKS-92

`Geocentric::fromSRID(Geocentric::EPSG_LKS_92)`

to LKS-92 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LKS_92)`
	`)`

LKS94

`Geocentric::fromSRID(Geocentric::EPSG_LKS94)`

to LKS94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LKS94)`
	`)`

LTF2004(G)

`Geocentric::fromSRID(Geocentric::EPSG_LTF2004_G)`

to LTF2004(G) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LTF2004_G)`
	`)`

LUREF

`Geocentric::fromSRID(Geocentric::EPSG_LUREF)`

to LUREF (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LUREF)`
	`)`

Lao 1993

`Geocentric::fromSRID(Geocentric::EPSG_LAO_1993)`

to Lao 1993 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LAO_1993)`
	`)`

Lao 1997

`Geocentric::fromSRID(Geocentric::EPSG_LAO_1997)`

to Lao 1997 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LAO_1997)`
	`)`

MACARIO SOLIS

`Geocentric::fromSRID(Geocentric::EPSG_MACARIO_SOLIS)`

to MACARIO SOLIS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MACARIO_SOLIS)`
	`)`

MAGNA-SIRGAS

`Geocentric::fromSRID(Geocentric::EPSG_MAGNA_SIRGAS)`

to MAGNA-SIRGAS (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MAGNA_SIRGAS)`
	`)`

MAGNA-SIRGAS 2018

`Geocentric::fromSRID(Geocentric::EPSG_MAGNA_SIRGAS_2018)`

to MAGNA-SIRGAS 2018 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MAGNA_SIRGAS_2018)`
	`)`

MARGEN

`Geocentric::fromSRID(Geocentric::EPSG_MARGEN)`

to MARGEN (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MARGEN)`
	`)`

MGI

`Geocentric::fromSRID(Geocentric::EPSG_MGI)`

to MGI (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MGI)`
	`)`

MOLDREF99

`Geocentric::fromSRID(Geocentric::EPSG_MOLDREF99)`

to MOLDREF99 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MOLDREF99)`
	`)`

MTRF-2000

`Geocentric::fromSRID(Geocentric::EPSG_MTRF_2000)`

to MTRF-2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MTRF_2000)`
	`)`

Macao 2008

`Geocentric::fromSRID(Geocentric::EPSG_MACAO_2008)`

to Macao 2008 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MACAO_2008)`
	`)`

Mauritania 1999

`Geocentric::fromSRID(Geocentric::EPSG_MAURITANIA_1999)`

to Mauritania 1999 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MAURITANIA_1999)`
	`)`

Mexico ITRF2008

`Geocentric::fromSRID(Geocentric::EPSG_MEXICO_ITRF2008)`

to Mexico ITRF2008 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MEXICO_ITRF2008)`
	`)`

Mexico ITRF92

`Geocentric::fromSRID(Geocentric::EPSG_MEXICO_ITRF92)`

to Mexico ITRF92 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MEXICO_ITRF92)`
	`)`

Moznet

`Geocentric::fromSRID(Geocentric::EPSG_MOZNET)`

to Moznet (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MOZNET)`
	`)`

NAD83(2011)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_2011)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Metre(-0.99343),`
	`  yAxisTranslation: new Metre(1.90331),`
	`  zAxisTranslation: new Metre(0.52655),`
	`  xAxisRotation: new ArcSecond(-0.02591467),`
	`  yAxisRotation: new ArcSecond(-0.00942645),`
	`  zAxisRotation: new ArcSecond(-0.01159935),`
	`  scaleDifference: new PartsPerBillion(-1.71504),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.00134), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.10201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Metre(-1.0053),`
	`  yAxisTranslation: new Metre(1.90921),`
	`  zAxisTranslation: new Metre(0.54157),`
	`  xAxisRotation: new ArcSecond(-0.02678138),`
	`  yAxisRotation: new ArcSecond(0.00042027),`
	`  zAxisRotation: new ArcSecond(-0.01093206),`
	`  scaleDifference: new PartsPerBillion(-0.36891),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.00144), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-1003.9),`
	`  yAxisTranslation: new Millimetre(1909.61),`
	`  zAxisTranslation: new Millimetre(541.17),`
	`  xAxisRotation: new ArcSecond(-0.02678138),`
	`  yAxisRotation: new ArcSecond(0.00042027),`
	`  zAxisRotation: new ArcSecond(-0.01093206),`
	`  scaleDifference: new PartsPerBillion(0.05109),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.79), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.7), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.24), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(2011) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_2011)`
	`)`

to NAD83(CSRS)v6 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V6),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v7 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v7 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V7),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v8 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v8 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V8),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

NAD83(CORS96)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Metre(-0.9956),`
	`  yAxisTranslation: new Metre(1.9013),`
	`  zAxisTranslation: new Metre(0.5215),`
	`  xAxisRotation: new ArcSecond(-0.025915),`
	`  yAxisRotation: new ArcSecond(-0.009426),`
	`  zAxisRotation: new ArcSecond(-0.011599),`
	`  scaleDifference: new PartsPerBillion(-0.62),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0005), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(5.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.18), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF96),`
	`  xAxisTranslation: new Metre(-0.991),`
	`  yAxisTranslation: new Metre(1.9072),`
	`  zAxisTranslation: new Metre(0.5129),`
	`  xAxisRotation: new ArcSecond(-0.02579),`
	`  yAxisRotation: new ArcSecond(-0.00965),`
	`  zAxisRotation: new ArcSecond(-0.01166),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-5.32E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0.0007423), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(3.16E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF97),`
	`  xAxisTranslation: new Metre(-0.9889),`
	`  yAxisTranslation: new Metre(1.9074),`
	`  zAxisTranslation: new Metre(0.503),`
	`  xAxisRotation: new ArcSecond(-0.025915),`
	`  yAxisRotation: new ArcSecond(-0.009426),`
	`  zAxisRotation: new ArcSecond(-0.011599),`
	`  scaleDifference: new PartsPerBillion(0.93),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(3.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.19), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CORS96) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CORS96)`
	`)`

to NAD83(CSRS)v2 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v2 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v3 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v3 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v4 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v4 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

NAD83(CSRS)

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS)
```

to NAD83(CSRS) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS)`
	`)`

NAD83(CSRS)v2

```
Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V2)
```

to ITRF96 (Geocentric)

EPSG	PHPCoord

Name: ITRF96 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF96),`
	`  xAxisTranslation: new Metre(-0.991),`
	`  yAxisTranslation: new Metre(1.9072),`
	`  zAxisTranslation: new Metre(0.5129),`
	`  xAxisRotation: new ArcSecond(0.02579),`
	`  yAxisRotation: new ArcSecond(0.00965),`
	`  zAxisRotation: new ArcSecond(0.01166),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(5.32E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.0007423), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-3.16E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CORS96) (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v2 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v2 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS_V2)`
	`)`

to NAD83(CSRS)v3 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v2 to NAD83(CSRS)v3 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

NAD83(CSRS)v3

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V3)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to NAD83(CSRS)v3 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF97),`
	`  xAxisTranslation: new Metre(-0.9889),`
	`  yAxisTranslation: new Metre(1.9074),`
	`  zAxisTranslation: new Metre(0.503),`
	`  xAxisRotation: new ArcSecond(0.025915),`
	`  yAxisRotation: new ArcSecond(0.009426),`
	`  zAxisRotation: new ArcSecond(0.011599),`
	`  scaleDifference: new PartsPerBillion(0.935),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-3.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.192), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CORS96) (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v3 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CORS96),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v2 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v2 to NAD83(CSRS)v3 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V2),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v3 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V3)`
	`)`

NAD83(CSRS)v4

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V4)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(CSRS)v4 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Metre(-0.9956),`
	`  yAxisTranslation: new Metre(1.9013),`
	`  zAxisTranslation: new Metre(0.5214),`
	`  xAxisRotation: new ArcSecond(0.025915),`
	`  yAxisRotation: new ArcSecond(0.009426),`
	`  zAxisRotation: new ArcSecond(0.011599),`
	`  scaleDifference: new PartsPerBillion(-0.615),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.0007), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0.0005), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.182), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CORS96) (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v4 to NAD83(CORS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CORS96),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v4 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS_V4)`
	`)`

NAD83(CSRS)v5

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V5)`

to ITRF2005 (Geocentric)

EPSG	PHPCoord

Name: ITRF2005 to NAD83(CSRS)v5 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2005),`
	`  xAxisTranslation: new Metre(-0.9963),`
	`  yAxisTranslation: new Metre(1.9024),`
	`  zAxisTranslation: new Metre(0.5219),`
	`  xAxisRotation: new ArcSecond(0.025915),`
	`  yAxisRotation: new ArcSecond(0.009426),`
	`  zAxisRotation: new ArcSecond(0.011599),`
	`  scaleDifference: new PartsPerBillion(-0.775),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0005), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0.0013), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(6.7E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000757), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-5.1E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.102), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(CSRS)v5 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V5)`
	`)`

NAD83(CSRS)v6

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V6)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(CSRS)v6 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Metre(-0.99343),`
	`  yAxisTranslation: new Metre(1.90331),`
	`  zAxisTranslation: new Metre(0.52655),`
	`  xAxisRotation: new ArcSecond(0.02591467),`
	`  yAxisRotation: new ArcSecond(0.00942645),`
	`  zAxisRotation: new ArcSecond(0.01159935),`
	`  scaleDifference: new PartsPerBillion(-1.71504),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.00134), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.102), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to NAD83(2011) (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_2011),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v6 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS_V6)`
	`)`

to NAD83(CSRS)v7 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(CSRS)v7 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V7),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v8 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(CSRS)v8 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V8),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

NAD83(CSRS)v7

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V7)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(CSRS)v7 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Metre(-1.0053),`
	`  yAxisTranslation: new Metre(1.90921),`
	`  zAxisTranslation: new Metre(0.54157),`
	`  xAxisRotation: new ArcSecond(0.02678138),`
	`  yAxisRotation: new ArcSecond(-0.00042027),`
	`  zAxisRotation: new ArcSecond(0.01093206),`
	`  scaleDifference: new PartsPerBillion(-0.36891),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(-0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(0.0006), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0.00144), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(2011) (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v7 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_2011),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v6 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(CSRS)v7 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V6),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v7 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS_V7)`
	`)`

to NAD83(CSRS)v8 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v7 to NAD83(CSRS)v8 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V8),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

NAD83(CSRS)v8

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V8)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(CSRS)v8 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2020),`
	`  xAxisTranslation: new Metre(-1.0039),`
	`  yAxisTranslation: new Metre(1.90961),`
	`  zAxisTranslation: new Metre(0.54117),`
	`  xAxisRotation: new ArcSecond(0.02678138),`
	`  yAxisRotation: new ArcSecond(-0.00042027),`
	`  zAxisRotation: new ArcSecond(0.01093206),`
	`  scaleDifference: new PartsPerBillion(0.05109),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.00079), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(0.0007), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.00124), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(6.667E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.00075744), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-5.133E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.07201), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(2011) (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v8 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada, US (Conus+AK), PRVI
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_2011),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to NAD83(CSRS)v6 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(CSRS)v8 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪NAD83_CSRS_V6),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v7 (Geocentric)

EPSG	PHPCoord

Name: NAD83(CSRS)v7 to NAD83(CSRS)v8 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS_V7),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0)`
	`)`

to NAD83(CSRS)v8 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V8)`
	`)`

NAD83(CSRS96)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_CSRS96)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: ITRF92 to NAD83(CSRS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF92),`
	`  xAxisTranslation: new Metre(-0.936),`
	`  yAxisTranslation: new Metre(1.984),`
	`  zAxisTranslation: new Metre(0.543),`
	`  xAxisRotation: new ArcSecond(0.0275),`
	`  yAxisRotation: new ArcSecond(0.0155),`
	`  zAxisRotation: new ArcSecond(0.0107),`
	`  scaleDifference: new PartsPerBillion(-5),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(5.2E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000742), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-3.2E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to ITRF93 (Geocentric)

EPSG	PHPCoord

Name: ITRF93 to NAD83(CSRS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF93),`
	`  xAxisTranslation: new Metre(-0.94),`
	`  yAxisTranslation: new Metre(1.979),`
	`  zAxisTranslation: new Metre(0.534),`
	`  xAxisRotation: new ArcSecond(0.02709),`
	`  yAxisRotation: new ArcSecond(0.01622),`
	`  zAxisRotation: new ArcSecond(0.00987),`
	`  scaleDifference: new PartsPerBillion(-4.1),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0023), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0004), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0.0008), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-7.8E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000962), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(8.0E-6), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to NAD83(CSRS96) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->timeDependentPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Metre(-0.942),`
	`  yAxisTranslation: new Metre(1.979),`
	`  zAxisTranslation: new Metre(0.534),`
	`  xAxisRotation: new ArcSecond(0.0273),`
	`  yAxisRotation: new ArcSecond(0.0154),`
	`  zAxisRotation: new ArcSecond(0.0107),`
	`  scaleDifference: new PartsPerBillion(-4.9),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(0.0004), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0004), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0.0008), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(5.2E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000762), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-3.2E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1988)`
	`)`

to NAD83(CSRS96) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS96)`
	`)`

NAD83(FBN)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_FBN)`

to NAD83(FBN) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_FBN)`
	`)`

NAD83(HARN Corrected)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_HARN_CORRECTED)`

to NAD83(HARN Corrected) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_HARN_CORRECTED)`
	`)`

NAD83(HARN)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_HARN)`

to NAD83(HARN) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_HARN)`
	`)`

NAD83(MA11)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_MA11)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Metre(-0.908),`
	`  yAxisTranslation: new Metre(2.0161),`
	`  zAxisTranslation: new Metre(0.5653),`
	`  xAxisRotation: new ArcSecond(-0.028971),`
	`  yAxisRotation: new ArcSecond(-0.01042),`
	`  zAxisRotation: new ArcSecond(-0.008928),`
	`  scaleDifference: new PartsPerBillion(-1.1),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0018), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Metre(-0.9109),`
	`  yAxisTranslation: new Metre(2.0129),`
	`  zAxisTranslation: new Metre(0.5863),`
	`  xAxisRotation: new ArcSecond(-0.028711),`
	`  yAxisRotation: new ArcSecond(-0.011785),`
	`  zAxisRotation: new ArcSecond(-0.004417),`
	`  scaleDifference: new PartsPerBillion(-2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Metre(0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-909.5),`
	`  yAxisTranslation: new Millimetre(2013.3),`
	`  zAxisTranslation: new Millimetre(585.9),`
	`  xAxisRotation: new ArcSecond(-0.028711),`
	`  yAxisRotation: new ArcSecond(-0.011785),`
	`  zAxisRotation: new ArcSecond(-0.004417),`
	`  scaleDifference: new PartsPerBillion(-1.7),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(MA11) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_MA11)`
	`)`

NAD83(MARP00)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_MARP00)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(MARP00) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Mariana plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Metre(-0.9102),`
	`  yAxisTranslation: new Metre(2.0141),`
	`  zAxisTranslation: new Metre(0.5602),`
	`  xAxisRotation: new ArcSecond(-0.029039),`
	`  yAxisRotation: new ArcSecond(-0.010065),`
	`  zAxisRotation: new ArcSecond(-0.010101),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.000105), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.000347), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1993.62)`
	`)`

to NAD83(MARP00) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MARP00)`
	`)`

NAD83(NSRS2007)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_NSRS2007)`

to NAD83(NSRS2007) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_NSRS2007)`
	`)`

NAD83(PA11)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_PA11)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2008),`
	`  xAxisTranslation: new Metre(-0.908),`
	`  yAxisTranslation: new Metre(2.0161),`
	`  zAxisTranslation: new Metre(0.5653),`
	`  xAxisRotation: new ArcSecond(-0.027741),`
	`  yAxisRotation: new ArcSecond(-0.013469),`
	`  zAxisRotation: new ArcSecond(-0.002712),`
	`  scaleDifference: new PartsPerBillion(-1.1),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0018), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1997)`
	`)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: ITRF2014 to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Metre(-0.9109),`
	`  yAxisTranslation: new Metre(2.0129),`
	`  zAxisTranslation: new Metre(0.5863),`
	`  xAxisRotation: new ArcSecond(-0.022749),`
	`  yAxisRotation: new ArcSecond(-0.02656),`
	`  zAxisRotation: new ArcSecond(0.025706),`
	`  scaleDifference: new PartsPerBillion(-2.12),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0.0001), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(0.0019), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: ITRF2020 to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(-909.5),`
	`  yAxisTranslation: new Millimetre(2013.3),`
	`  zAxisTranslation: new Millimetre(585.9),`
	`  xAxisRotation: new ArcSecond(-0.022749),`
	`  yAxisRotation: new ArcSecond(-0.02656),`
	`  zAxisRotation: new ArcSecond(0.025706),`
	`  scaleDifference: new PartsPerBillion(-1.7),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(1.7), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0.11), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2010)`
	`)`

to NAD83(PA11) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_PA11)`
	`)`

NAD83(PACP00)

`Geocentric::fromSRID(Geocentric::EPSG_NAD83_PACP00)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to NAD83(PACP00) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - US interests Pacific plate
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Metre(-0.9102),`
	`  yAxisTranslation: new Metre(2.0141),`
	`  zAxisTranslation: new Metre(0.5602),`
	`  xAxisRotation: new ArcSecond(-0.029039),`
	`  yAxisRotation: new ArcSecond(-0.010065),`
	`  zAxisRotation: new ArcSecond(-0.010101),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Metre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0.000384), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0.001007), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0.002186), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(1993.62)`
	`)`

to NAD83(PACP00) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PACP00)`
	`)`

NZGD2000

`Geocentric::fromSRID(Geocentric::EPSG_NZGD2000)`

to NZGD2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NZGD2000)`
	`)`

ONGD14

`Geocentric::fromSRID(Geocentric::EPSG_ONGD14)`

to ONGD14 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ONGD14)`
	`)`

to WGS 84 (Geocentric)

EPSG	PHPCoord

Name: ONGD14 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0.819),`
	`  yAxisTranslation: new Metre(-0.5762),`
	`  zAxisTranslation: new Metre(-1.6446),`
	`  xAxisRotation: new ArcSecond(0.00378),`
	`  yAxisRotation: new ArcSecond(0.03317),`
	`  zAxisRotation: new ArcSecond(-0.00318),`
	`  scaleDifference: new PartsPerMillion(0.0693)`
	`)`

ONGD17

`Geocentric::fromSRID(Geocentric::EPSG_ONGD17)`

to ONGD17 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ONGD17)`
	`)`

to WGS 84 (Geocentric)

EPSG	PHPCoord

Name: ONGD17 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(1.16835),`
	`  yAxisTranslation: new Metre(-1.42001),`
	`  zAxisTranslation: new Metre(-2.24431),`
	`  xAxisRotation: new ArcSecond(0.00822),`
	`  yAxisRotation: new ArcSecond(0.05508),`
	`  zAxisRotation: new ArcSecond(-0.01818),`
	`  scaleDifference: new PartsPerMillion(0.23388)`
	`)`

PNG94

```
Geocentric::fromSRID(Geocentric::EPSG_PNG94)
```

to PNG94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PNG94)`
	`)`

POSGAR 2007

```
Geocentric::fromSRID(Geocentric::EPSG_POSGAR_2007)
```

to POSGAR 2007 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪POSGAR_2007)`
	`)`

POSGAR 94

`Geocentric::fromSRID(Geocentric::EPSG_POSGAR_94)`

to POSGAR 94 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪POSGAR_94)`
	`)`

POSGAR 98

`Geocentric::fromSRID(Geocentric::EPSG_POSGAR_98)`

to POSGAR 98 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪POSGAR_98)`
	`)`

PRS92

```
Geocentric::fromSRID(Geocentric::EPSG_PRS92)
```

to PRS92 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PRS92)`
	`)`

PTRA08

```
Geocentric::fromSRID(Geocentric::EPSG_PTRA08)
```

to PTRA08 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PTRA08)`
	`)`

PZ-90

```
Geocentric::fromSRID(Geocentric::EPSG_PZ_90)
```

to PZ-90 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PZ_90)`
	`)`

to PZ-90.02 (Geocentric)

EPSG	PHPCoord

Name: PZ-90 to PZ-90.02 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_90_02),`
	`  xAxisTranslation: new Metre(-1.07),`
	`  yAxisTranslation: new Metre(-0.03),`
	`  zAxisTranslation: new Metre(0.02),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.13),`
	`  scaleDifference: new PartsPerMillion(-0.22),`
	`  transformationReferenceEpoch: new Year(2002)`
	`)`

PZ-90.02

`Geocentric::fromSRID(Geocentric::EPSG_PZ_90_02)`

to PZ-90 (Geocentric)

EPSG	PHPCoord

Name: PZ-90 to PZ-90.02 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_90),`
	`  xAxisTranslation: new Metre(1.07),`
	`  yAxisTranslation: new Metre(0.03),`
	`  zAxisTranslation: new Metre(-0.02),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.13),`
	`  scaleDifference: new PartsPerMillion(0.22),`
	`  transformationReferenceEpoch: new Year(2002)`
	`)`

to PZ-90.02 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90_02)`
	`)`

to PZ-90.11 (Geocentric)

EPSG	PHPCoord

Name: PZ-90.02 to PZ-90.11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_90_11),`
	`  xAxisTranslation: new Metre(-0.373),`
	`  yAxisTranslation: new Metre(0.186),`
	`  zAxisTranslation: new Metre(0.202),`
	`  xAxisRotation: new ArcSecond(-0.0023),`
	`  yAxisRotation: new ArcSecond(0.00354),`
	`  zAxisRotation: new ArcSecond(-0.00421),`
	`  scaleDifference: new PartsPerMillion(-0.008),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to WGS 84 (G1150) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to PZ-90.02 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1150),`
	`  xAxisTranslation: new Metre(-0.36),`
	`  yAxisTranslation: new Metre(0.08),`
	`  zAxisTranslation: new Metre(0.18),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0),`
	`  transformationReferenceEpoch: new Year(2002)`
	`)`

PZ-90.11

```
Geocentric::fromSRID(Geocentric::EPSG_PZ_90_11)
```

to GSK-2011 (Geocentric)

EPSG	PHPCoord

Name: GSK-2011 to PZ-90.11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_GSK_`
	`↪2011),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0.014),`
	`  zAxisTranslation: new Metre(0.008),`
	`  xAxisRotation: new ArcSecond(0.000562),`
	`  yAxisRotation: new ArcSecond(1.9E-5),`
	`  zAxisRotation: new ArcSecond(-5.3E-5),`
	`  scaleDifference: new PartsPerMillion(0.0006),`
	`  transformationReferenceEpoch: new Year(2011)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: PZ-90.11 to ITRF2008 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Metre(-0.003),`
	`  yAxisTranslation: new Metre(-0.001),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(1.9E-5),`
	`  yAxisRotation: new ArcSecond(-4.2E-5),`
	`  zAxisRotation: new ArcSecond(2.0E-6),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to PZ-90.02 (Geocentric)

EPSG	PHPCoord

Name: PZ-90.02 to PZ-90.11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_`
	`↪90_02),`
	`  xAxisTranslation: new Metre(0.373),`
	`  yAxisTranslation: new Metre(-0.186),`
	`  zAxisTranslation: new Metre(-0.202),`
	`  xAxisRotation: new ArcSecond(0.0023),`
	`  yAxisRotation: new ArcSecond(-0.00354),`
	`  zAxisRotation: new ArcSecond(0.00421),`
	`  scaleDifference: new PartsPerMillion(0.008),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to PZ-90.11 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PZ_90_11)`
	`)`

Peru96

`Geocentric::fromSRID(Geocentric::EPSG_PERU96)`

to Peru96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PERU96)`
	`)`

RDN2008

`Geocentric::fromSRID(Geocentric::EPSG_RDN2008)`

to RDN2008 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RDN2008)`
	`)`

REDGEOMIN

`Geocentric::fromSRID(Geocentric::EPSG_REDGEOMIN)`

to REDGEOMIN (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_REDGEOMIN)`
	`)`

REGCAN95

`Geocentric::fromSRID(Geocentric::EPSG_REGCAN95)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_REGCAN95)`
	`)`

REGVEN

```
Geocentric::fromSRID(Geocentric::EPSG_REGVEN)
```

to REGVEN (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGVEN)`
	`)`

RGAF09

```
Geocentric::fromSRID(Geocentric::EPSG_RGAF09)
```

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09)`
	`)`

RGF93 v1

```
Geocentric::fromSRID(Geocentric::EPSG_RGF93_V1)
```

to RGF93 v1 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V1)`
	`)`

RGF93 v2

```
Geocentric::fromSRID(Geocentric::EPSG_RGF93_V2)
```

to RGF93 v2 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V2)`
	`)`

RGF93 v2b

```
Geocentric::fromSRID(Geocentric::EPSG_RGF93_V2B)
```

to RGF93 v2b (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V2B)`
	`)`

RGFG95

```
Geocentric::fromSRID(Geocentric::EPSG_RGFG95)
```

to RGFG95 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGFG95)`
	`)`

RGM04

`Geocentric::fromSRID(Geocentric::EPSG_RGM04)`

to RGM04 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGM04)`
	`)`

RGNC15

`Geocentric::fromSRID(Geocentric::EPSG_RGNC15)`

to RGNC15 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15)`
	`)`

RGNC91-93

`Geocentric::fromSRID(Geocentric::EPSG_RGNC91_93)`

to RGNC91-93 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGNC91_93)`
	`)`

RGPF

`Geocentric::fromSRID(Geocentric::EPSG_RGPF)`

to RGPF (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGPF)`
	`)`

RGR92

`Geocentric::fromSRID(Geocentric::EPSG_RGR92)`

to RGR92 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGR92)`
	`)`

RGRDC 2005

`Geocentric::fromSRID(Geocentric::EPSG_RGRDC_2005)`

to RGRDC 2005 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGRDC_2005)`
	`)`

RGSH2020

`Geocentric::fromSRID(Geocentric::EPSG_RGSH2020)`

to RGSH2020 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGSH2020)`
	`)`

RGSPM06

`Geocentric::fromSRID(Geocentric::EPSG_RGSPM06)`

to RGSPM06 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06)`
	`)`

RGTAAF07

`Geocentric::fromSRID(Geocentric::EPSG_RGTAAF07)`

to RGTAAF07 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07)`
	`)`

RGWF96

```
Geocentric::fromSRID(Geocentric::EPSG_RGWF96)
```

to RGWF96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGWF96)`
	`)`

RRAF 1991

```
Geocentric::fromSRID(Geocentric::EPSG_RRAF_1991)
```

to RRAF 1991 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RRAF_1991)`
	`)`

RSAO13

```
Geocentric::fromSRID(Geocentric::EPSG_RSAO13)
```

to RSAO13 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RSAO13)`
	`)`

RSRGD2000

`Geocentric::fromSRID(Geocentric::EPSG_RSRGD2000)`

to RSRGD2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RSRGD2000)`
	`)`

SHGD2015

`Geocentric::fromSRID(Geocentric::EPSG_SHGD2015)`

to SHGD2015 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SHGD2015)`
	`)`

SIRGAS 1995

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_1995)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: ITRF94 to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - SIRGAS 1995 by country
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF94),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(1995.4)`
	`)`

to SIRGAS 1995 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_1995)`
	`)`

SIRGAS 2000

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_2000)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - SIRGAS 2000 by country
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2000.4)`
	`)`

to SIRGAS 2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_2000)`
	`)`

SIRGAS-CON DGF00P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF00P01)`

to ITRF97 (Geocentric)

EPSG	PHPCoord

Name: ITRF97 to SIRGAS-CON DGF00P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF97),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2000.4)`
	`)`

to SIRGAS-CON DGF00P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF00P01)`
	`)`

SIRGAS-CON DGF01P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF01P01)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF01P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2000)`
	`)`

to SIRGAS-CON DGF01P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF01P01)`
	`)`

SIRGAS-CON DGF01P02

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF01P02)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF01P02 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(1998.4)`
	`)`

to SIRGAS-CON DGF01P02 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF01P02)`
	`)`

SIRGAS-CON DGF02P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF02P01)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF02P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2000)`
	`)`

to SIRGAS-CON DGF02P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF02P01)`
	`)`

SIRGAS-CON DGF04P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF04P01)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF04P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2003)`
	`)`

to SIRGAS-CON DGF04P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF04P01)`
	`)`

SIRGAS-CON DGF05P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF05P01)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF05P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2004)`
	`)`

to SIRGAS-CON DGF05P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF05P01)`
	`)`

SIRGAS-CON DGF06P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF06P01)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: ITRF2000 to SIRGAS-CON DGF06P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2004)`
	`)`

to SIRGAS-CON DGF06P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF06P01)`
	`)`

SIRGAS-CON DGF07P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF07P01)`

to IGS05 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to SIRGAS-CON DGF07P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS05),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2004.5)`
	`)`

to SIRGAS-CON DGF07P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF07P01)`
	`)`

SIRGAS-CON DGF08P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_DGF08P01)`

to IGS05 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to SIRGAS-CON DGF08P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS05),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2004.5)`
	`)`

to SIRGAS-CON DGF08P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF08P01)`
	`)`

SIRGAS-CON SIR09P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR09P01)`

to IGS05 (Geocentric)

EPSG	PHPCoord

Name: IGS05 to SIRGAS-CON SIR09P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS05),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to SIRGAS-CON SIR09P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR09P01)`
	`)`

SIRGAS-CON SIR10P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR10P01)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to SIRGAS-CON SIR10P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to SIRGAS-CON SIR10P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR10P01)`
	`)`

SIRGAS-CON SIR11P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR11P01)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: ITRF2008 to SIRGAS-CON SIR11P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2005)`
	`)`

to SIRGAS-CON SIR11P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR11P01)`
	`)`

SIRGAS-CON SIR13P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR13P01)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to SIRGAS-CON SIR13P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB08),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2012)`
	`)`

to SIRGAS-CON SIR13P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR13P01)`
	`)`

SIRGAS-CON SIR14P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR14P01)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to SIRGAS-CON SIR14P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB08),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2013)`
	`)`

to SIRGAS-CON SIR14P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR14P01)`
	`)`

SIRGAS-CON SIR15P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR15P01)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: IGb08 to SIRGAS-CON SIR15P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB08),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2013)`
	`)`

to SIRGAS-CON SIR15P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR15P01)`
	`)`

SIRGAS-CON SIR17P01

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CON_SIR17P01)`

to IGS14 (Geocentric)

EPSG	PHPCoord

Name: IGS14 to SIRGAS-CON SIR17P01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - Central America and South America
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS14),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  transformationReferenceEpoch: new Year(2015)`
	`)`

to SIRGAS-CON SIR17P01 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR17P01)`
	`)`

SIRGAS-Chile 2002

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2002)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2002 to ITRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2002)`
	`)`

to SIRGAS-Chile 2002 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CHILE_2002)`
	`)`

SIRGAS-Chile 2010

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2010)`

to IGS08 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2010 to IGS08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGS08),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2010)`
	`)`

to SIRGAS-Chile 2010 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2010)`
	`)`

SIRGAS-Chile 2013

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2013)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2013 to IGb08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB08),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2013)`
	`)`

to SIRGAS-Chile 2013 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2013)`
	`)`

SIRGAS-Chile 2016

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2016)`

to IGb08 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2016 to IGb08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_IGB08),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2016)`
	`)`

to SIRGAS-Chile 2016 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2016)`
	`)`

SIRGAS-Chile 2021

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_CHILE_2021)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: SIRGAS-Chile 2021 to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2021)`
	`)`

to SIRGAS-Chile 2021 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2021)`
	`)`

SIRGAS-ROU98

`Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_ROU98)`

to SIRGAS-ROU98 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_ROU98)`
	`)`

SIRGAS_ES2007.8

```
Geocentric::fromSRID(Geocentric::EPSG_SIRGAS_ES2007_8)
```

to SIRGAS_ES2007.8 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_ES2007_8)`
	`)`

SRB_ETRS89

```
Geocentric::fromSRID(Geocentric::EPSG_SRB_ETRS89)
```

to SRB_ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SRB_ETRS89)`
	`)`

SREF98

```
Geocentric::fromSRID(Geocentric::EPSG_SREF98)
```

to SREF98 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SREF98)`
	`)`

SRGI2013

`Geocentric::fromSRID(Geocentric::EPSG_SRGI2013)`

to SRGI2013 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SRGI2013)`
	`)`

SWEREF99

`Geocentric::fromSRID(Geocentric::EPSG_SWEREF99)`

to SWEREF99 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SWEREF99)`
	`)`

Slovenia 1996

`Geocentric::fromSRID(Geocentric::EPSG_SLOVENIA_1996)`

to Slovenia 1996 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SLOVENIA_1996)`
	`)`

St. Helena Tritan

```
Geocentric::fromSRID(Geocentric::EPSG_ST_HELENA_TRITAN)
```

to St. Helena Tritan (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ST_HELENA_TRITAN)`
	`)`

TGD2005

```
Geocentric::fromSRID(Geocentric::EPSG_TGD2005)
```

to TGD2005 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪TGD2005)`
	`)`

TUREF

```
Geocentric::fromSRID(Geocentric::EPSG_TUREF)
```

to TUREF (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪TUREF)`
	`)`

TWD97

`Geocentric::fromSRID(Geocentric::EPSG_TWD97)`

to TWD97 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_TWD97)`
	`)`

UCS-2000

`Geocentric::fromSRID(Geocentric::EPSG_UCS_2000)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: UCS-2000 to ITRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine
	`$point->geocentricTranslation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2000),`
	`  xAxisTranslation: new Metre(24.322),`
	`  yAxisTranslation: new Metre(-121.372),`
	`  zAxisTranslation: new Metre(-75.847)`
	`)`

to UCS-2000 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_UCS_2000)`
	`)`

WGS 66

`Geocentric::fromSRID(Geocentric::EPSG_WGS_66)`

to WGS 66 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_66)`
	`)`

WGS 72

`Geocentric::fromSRID(Geocentric::EPSG_WGS_72)`

to WGS 72 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_72)`
	`)`

WGS 72BE

`Geocentric::fromSRID(Geocentric::EPSG_WGS_72BE)`

to WGS 72BE (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_72BE)`
	`)`

WGS 84

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84)`

to ETRS89 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - offshore North Sea - Germany and Netherlands east of 5°E
	`$point->timeSpecificPositionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0.054),`
	`  yAxisTranslation: new Metre(0.051),`
	`  zAxisTranslation: new Metre(-0.085),`
	`  xAxisRotation: new ArcSecond(0.0021),`
	`  yAxisRotation: new ArcSecond(0.0126),`
	`  zAxisRotation: new ArcSecond(-0.0204),`
	`  scaleDifference: new PartsPerMillion(0.0025),`
	`  transformationReferenceEpoch: new Year(2014.81)`
	`)`

to ONGD14 (Geocentric)

EPSG	PHPCoord

Name: ONGD14 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ONGD14),`
	`  xAxisTranslation: new Metre(-0.819),`
	`  yAxisTranslation: new Metre(0.5762),`
	`  zAxisTranslation: new Metre(1.6446),`
	`  xAxisRotation: new ArcSecond(-0.00378),`
	`  yAxisRotation: new ArcSecond(-0.03317),`
	`  zAxisRotation: new ArcSecond(0.00318),`
	`  scaleDifference: new PartsPerMillion(-0.0693)`
	`)`

to ONGD17 (Geocentric)

EPSG	PHPCoord

Name: ONGD17 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ONGD17),`
	`  xAxisTranslation: new Metre(-1.16835),`
	`  yAxisTranslation: new Metre(1.42001),`
	`  zAxisTranslation: new Metre(2.24431),`
	`  xAxisRotation: new ArcSecond(-0.00822),`
	`  yAxisRotation: new ArcSecond(-0.05508),`
	`  zAxisRotation: new ArcSecond(0.01818),`
	`  scaleDifference: new PartsPerMillion(-0.23388)`
	`)`

to WGS 84 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84)`
	`)`

WGS 84 (G1150)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1150)`

to ITRF2000 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to ITRF2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2000),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to PZ-90.02 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to PZ-90.02 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeSpecificCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_PZ_`
	`↪90_02),`
	`  xAxisTranslation: new Metre(0.36),`
	`  yAxisTranslation: new Metre(-0.08),`
	`  zAxisTranslation: new Metre(-0.18),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0),`
	`  transformationReferenceEpoch: new Year(2002)`
	`)`

to WGS 84 (G1150) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G1150)`
	`)`

to WGS 84 (G1674) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to WGS 84 (G1674) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1674),`
	`  xAxisTranslation: new Millimetre(-2.4),`
	`  yAxisTranslation: new Millimetre(1.6),`
	`  zAxisTranslation: new Millimetre(23.2),`
	`  xAxisRotation: new ArcSecond(-0.00027),`
	`  yAxisRotation: new ArcSecond(0.00027),`
	`  zAxisRotation: new ArcSecond(-0.00038),`
	`  scaleDifference: new PartsPerBillion(2.08),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2005)`
	`)`

to WGS 84 (G1762) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to WGS 84 (G1762) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1762),`
	`  xAxisTranslation: new Millimetre(-6),`
	`  yAxisTranslation: new Millimetre(5),`
	`  zAxisTranslation: new Millimetre(20),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-4.5)`
	`)`

to WGS 84 (G873) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G873) to WGS 84 (G1150) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G873),`
	`  xAxisTranslation: new Millimetre(-1.1),`
	`  yAxisTranslation: new Millimetre(4.7),`
	`  zAxisTranslation: new Millimetre(-22),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.00016),`
	`  scaleDifference: new PartsPerBillion(-1.45),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(-0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(-1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(-2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2005)`
	`)`

WGS 84 (G1674)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1674)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1674) to ITRF2008 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to WGS 84 (G1150) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to WGS 84 (G1674) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_`
	`↪84_G1150),`
	`  xAxisTranslation: new Millimetre(2.4),`
	`  yAxisTranslation: new Millimetre(-1.6),`
	`  zAxisTranslation: new Millimetre(-23.2),`
	`  xAxisRotation: new ArcSecond(0.00027),`
	`  yAxisRotation: new ArcSecond(-0.00027),`
	`  zAxisRotation: new ArcSecond(0.00038),`
	`  scaleDifference: new PartsPerBillion(-2.08),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(0.1), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-1.8), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(-0), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(0.08), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2005)`
	`)`

to WGS 84 (G1674) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G1674)`
	`)`

to WGS 84 (G1762) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1674) to WGS 84 (G1762) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_`
	`↪84_G1762),`
	`  xAxisTranslation: new Millimetre(-4),`
	`  yAxisTranslation: new Millimetre(3),`
	`  zAxisTranslation: new Millimetre(4),`
	`  xAxisRotation: new ArcSecond(0.00027),`
	`  yAxisRotation: new ArcSecond(-0.00027),`
	`  zAxisRotation: new ArcSecond(0.00038),`
	`  scaleDifference: new PartsPerBillion(-6.9)`
	`)`

WGS 84 (G1762)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1762)`

to GDA2020 (Geocentric)

EPSG	PHPCoord

Name: GDA2020 to WGS 84 (G1762) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪GDA2020),`
	`  xAxisTranslation: new Millimetre(-0),`
	`  yAxisTranslation: new Millimetre(-0),`
	`  zAxisTranslation: new Millimetre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new␣`
	`↪Millimetre(-0), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00150379), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00118346), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new␣`
	`↪ArcSecond(0.00120716), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new␣`
	`↪PartsPerBillion(-0), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2020)`
	`)`

to ITRF2008 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1762) to ITRF2008 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to WGS 84 (G1150) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1150) to WGS 84 (G1762) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1150),`
	`  xAxisTranslation: new Millimetre(6),`
	`  yAxisTranslation: new Millimetre(-5),`
	`  zAxisTranslation: new Millimetre(-20),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(4.5)`
	`)`

to WGS 84 (G1674) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1674) to WGS 84 (G1762) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1674),`
	`  xAxisTranslation: new Millimetre(4),`
	`  yAxisTranslation: new Millimetre(-3),`
	`  zAxisTranslation: new Millimetre(-4),`
	`  xAxisRotation: new ArcSecond(-0.00027),`
	`  yAxisRotation: new ArcSecond(0.00027),`
	`  zAxisRotation: new ArcSecond(-0.00038),`
	`  scaleDifference: new PartsPerBillion(6.9)`
	`)`

to WGS 84 (G1762) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1762)`
	`)`

to WGS 84 (G2139) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1762) to WGS 84 (G2139) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139),`
	`  xAxisTranslation: new Metre(0.0058),`
	`  yAxisTranslation: new Metre(-0.0064),`
	`  zAxisTranslation: new Metre(0.007),`
	`  xAxisRotation: new ArcSecond(8.0E-5),`
	`  yAxisRotation: new ArcSecond(4.0E-5),`
	`  zAxisRotation: new ArcSecond(0.00012),`
	`  scaleDifference: new PartsPerBillion(-4.4)`
	`)`

WGS 84 (G2139)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139)`

to ITRF2014 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G2139) to ITRF2014 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF2014),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to WGS 84 (G1762) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G1762) to WGS 84 (G2139) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1762),`
	`  xAxisTranslation: new Metre(-0.0058),`
	`  yAxisTranslation: new Metre(0.0064),`
	`  zAxisTranslation: new Metre(-0.007),`
	`  xAxisRotation: new ArcSecond(-8.0E-5),`
	`  yAxisRotation: new ArcSecond(-4.0E-5),`
	`  zAxisRotation: new ArcSecond(-0.00012),`
	`  scaleDifference: new PartsPerBillion(4.4)`
	`)`

to WGS 84 (G2139) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G2139)`
	`)`

to WGS 84 (G2296) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G2139) to WGS 84 (G2296) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2296),`
	`  xAxisTranslation: new Millimetre(2.6),`
	`  yAxisTranslation: new Millimetre(5.4),`
	`  zAxisTranslation: new Millimetre(-0.9),`
	`  xAxisRotation: new ArcSecond(-1.0E-5),`
	`  yAxisRotation: new ArcSecond(-7.0E-5),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0.06)`
	`)`

to WGS 84 (Geographic3D)

EPSG	PHPCoord

Name: WGS 84 to WGS 84 (G2139) (geog3D to geocen)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84)`
	`)`

WGS 84 (G2296)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2296)`

to ITRF2020 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G2296) to ITRF2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF2020),`
	`  xAxisTranslation: new Millimetre(0),`
	`  yAxisTranslation: new Millimetre(0),`
	`  zAxisTranslation: new Millimetre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(0)`
	`)`

to WGS 84 (G2139) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G2139) to WGS 84 (G2296) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139),`
	`  xAxisTranslation: new Millimetre(-2.6),`
	`  yAxisTranslation: new Millimetre(-5.4),`
	`  zAxisTranslation: new Millimetre(0.9),`
	`  xAxisRotation: new ArcSecond(1.0E-5),`
	`  yAxisRotation: new ArcSecond(7.0E-5),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(-0.06)`
	`)`

to WGS 84 (G2296) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G2296)`
	`)`

WGS 84 (G730)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G730)`

to ITRF92 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G730) to ITRF92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF92),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to WGS 84 (G730) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G730)`
	`)`

to WGS 84 (G873) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G730) to WGS 84 (G873) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_`
	`↪84_G873),`
	`  xAxisTranslation: new Millimetre(-20),`
	`  yAxisTranslation: new Millimetre(-16),`
	`  zAxisTranslation: new Millimetre(14),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerBillion(-0.69)`
	`)`

to WGS 84 (Transit) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (Transit) to WGS 84 (G730) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_TRANSIT),`
	`  xAxisTranslation: new Millimetre(58),`
	`  yAxisTranslation: new Millimetre(-521),`
	`  zAxisTranslation: new Millimetre(-239),`
	`  xAxisRotation: new ArcSecond(-0.0183),`
	`  yAxisRotation: new ArcSecond(0.0003),`
	`  zAxisRotation: new ArcSecond(-0.007),`
	`  scaleDifference: new PartsPerBillion(-10.7)`
	`)`

WGS 84 (G873)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G873)`

to ITRF94 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G873) to ITRF94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_ITRF94),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to WGS 84 (G1150) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G873) to WGS 84 (G1150) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->timeDependentCoordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G1150),`
	`  xAxisTranslation: new Millimetre(1.1),`
	`  yAxisTranslation: new Millimetre(-4.7),`
	`  zAxisTranslation: new Millimetre(22),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.00016),`
	`  scaleDifference: new PartsPerBillion(1.45),`
	`  rateOfChangeOfXAxisTranslation: new Rate(new Millimetre(0), new Year(1)),`
	`  rateOfChangeOfYAxisTranslation: new Rate(new Millimetre(0.6), new Year(1)),`
	`  rateOfChangeOfZAxisTranslation: new Rate(new Millimetre(1.4), new Year(1)),`
	`  rateOfChangeOfXAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfYAxisRotation: new Rate(new ArcSecond(0), new Year(1)),`
	`  rateOfChangeOfZAxisRotation: new Rate(new ArcSecond(2.0E-5), new Year(1)),`
	`  rateOfChangeOfScaleDifference: new Rate(new PartsPerBillion(-0.01), new Year(1)),`
	`  parameterReferenceEpoch: new Year(2005)`
	`)`

to WGS 84 (G730) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (G730) to WGS 84 (G873) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G730),`
	`  xAxisTranslation: new Millimetre(20),`
	`  yAxisTranslation: new Millimetre(16),`
	`  zAxisTranslation: new Millimetre(-14),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerBillion(0.69)`
	`)`

to WGS 84 (G873) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G873)`
	`)`

WGS 84 (Transit)

`Geocentric::fromSRID(Geocentric::EPSG_WGS_84_TRANSIT)`

to ITRF90 (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (Transit) to ITRF90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ITRF90),`
	`  xAxisTranslation: new Metre(-0.06),`
	`  yAxisTranslation: new Metre(0.517),`
	`  zAxisTranslation: new Metre(0.223),`
	`  xAxisRotation: new ArcSecond(-0.0183),`
	`  yAxisRotation: new ArcSecond(0.0003),`
	`  zAxisRotation: new ArcSecond(-0.007),`
	`  scaleDifference: new PartsPerMillion(0.011)`
	`)`

to WGS 84 (G730) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 (Transit) to WGS 84 (G730) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G730),`
	`  xAxisTranslation: new Millimetre(-58),`
	`  yAxisTranslation: new Millimetre(521),`
	`  zAxisTranslation: new Millimetre(239),`
	`  xAxisRotation: new ArcSecond(0.0183),`
	`  yAxisRotation: new ArcSecond(-0.0003),`
	`  zAxisRotation: new ArcSecond(0.007),`
	`  scaleDifference: new PartsPerBillion(10.7)`
	`)`

to WGS 84 (Transit) (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_TRANSIT)`
	`)`

Yemen NGN96

`Geocentric::fromSRID(Geocentric::EPSG_YEMEN_NGN96)`

to Yemen NGN96 (Geographic3D)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_YEMEN_NGN96)`
	`)`

1.12.2 Geographic 2D

AGD66

```
Geographic2D::fromSRID(Geographic2D::EPSG_AGD66)
```

to AGD66 / ACT Standard Grid (Projected)

EPSG	PHPCoord

Name: ACT Standard Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Australian Capital Territory
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_ACT_STANDARD_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-35.317736277778),`
	`  longitudeOfNaturalOrigin: new Degree(149.00929483056),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000086),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

to AGD66 / AMG zone 49 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 108°E to 114°E (EEZ)
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 50 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E (EEZ)
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_`
	`↪AMG_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 51 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_`
	`↪AMG_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 52 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_`
	`↪AMG_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 53 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_`
	`↪AMG_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 54 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_`
	`↪AMG_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 55 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_`
	`↪AMG_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 56 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 57 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / AMG zone 58 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - EEZ east of 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD66 / Vicgrid66 (Projected)

EPSG	PHPCoord

Name: Vicgrid66
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Victoria
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD66_VICGRID66),`
	`  latitudeOfFalseOrigin: new Degree(-37),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(-36),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Australian Capital Territory
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  xAxisTranslation: new Metre(-136.9703),`
	`  yAxisTranslation: new Metre(-37.5638),`
	`  zAxisTranslation: new Metre(124.4242),`
	`  xAxisRotation: new ArcSecond(-0.25676),`
	`  yAxisRotation: new ArcSecond(-0.42966),`
	`  zAxisRotation: new ArcSecond(-0.30077),`
	`  scaleDifference: new PartsPerMillion(-4.61966)`
	`)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Metre(-127.8),`
	`  yAxisTranslation: new Metre(-52.3),`
	`  zAxisTranslation: new Metre(152.9)`
	`)`

Name: AGD66 to GDA94 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - New South Wales and Victoria
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Metre(-119.353),`
	`  yAxisTranslation: new Metre(-48.301),`
	`  zAxisTranslation: new Metre(139.484),`
	`  xAxisRotation: new ArcSecond(-0.415),`
	`  yAxisRotation: new ArcSecond(-0.26),`
	`  zAxisRotation: new ArcSecond(-0.437),`
	`  scaleDifference: new PartsPerMillion(-0.613)`
	`)`

Name: AGD66 to GDA94 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Tasmania
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Metre(-120.271),`
	`  yAxisTranslation: new Metre(-64.543),`
	`  zAxisTranslation: new Metre(161.632),`
	`  xAxisRotation: new ArcSecond(-0.217),`
	`  yAxisRotation: new ArcSecond(0.067),`
	`  zAxisRotation: new ArcSecond(0.129),`
	`  scaleDifference: new PartsPerMillion(2.499)`
	`)`

Name: AGD66 to GDA94 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Northern Territory
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Metre(-124.133),`
	`  yAxisTranslation: new Metre(-42.003),`
	`  zAxisTranslation: new Metre(137.4),`
	`  xAxisRotation: new ArcSecond(0.008),`
	`  yAxisRotation: new ArcSecond(-0.557),`
	`  zAxisRotation: new ArcSecond(-0.178),`
	`  scaleDifference: new PartsPerMillion(-1.854)`
	`)`

Name: AGD66 to GDA94 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - offshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Metre(-117.808),`
	`  yAxisTranslation: new Metre(-51.536),`
	`  zAxisTranslation: new Metre(137.784),`
	`  xAxisRotation: new ArcSecond(-0.303),`

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to PNG94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - mainland onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  xAxisTranslation: new Metre(-0.41),`
	`  yAxisTranslation: new Metre(-2.37),`
	`  zAxisTranslation: new Metre(2),`
	`  xAxisRotation: new ArcSecond(3.592),`
	`  yAxisRotation: new ArcSecond(3.698),`
	`  zAxisRotation: new ArcSecond(3.989),`
	`  scaleDifference: new PartsPerMillion(8.843)`
	`)`

Name: AGD66 to PNG94 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - PFTB
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  xAxisTranslation: new Metre(-131.876),`
	`  yAxisTranslation: new Metre(-54.554),`
	`  zAxisTranslation: new Metre(453.346),`
	`  xAxisRotation: new ArcSecond(-5.2155),`
	`  yAxisRotation: new ArcSecond(-8.2042),`
	`  zAxisRotation: new ArcSecond(0.09),`
	`  scaleDifference: new PartsPerMillion(5.02)`
	`)`

Name: AGD66 to PNG94 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - North Fly
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  xAxisTranslation: new Metre(45.928),`
	`  yAxisTranslation: new Metre(-177.212),`
	`  zAxisTranslation: new Metre(336.867),`
	`  xAxisRotation: new ArcSecond(-4.6039),`
	`  yAxisRotation: new ArcSecond(-3.0921),`
	`  zAxisRotation: new ArcSecond(0.5729),`
	`  scaleDifference: new PartsPerMillion(36.796)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to WGS 84 (19)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - PFTB
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-124),`
	`  yAxisTranslation: new Metre(-60),`
	`  zAxisTranslation: new Metre(154)`
	`)`

Name: AGD66 to WGS 84 (20)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-128),`
	`  yAxisTranslation: new Metre(-52),`
	`  zAxisTranslation: new Metre(153)`
	`)`

AGD84

`Geographic2D::fromSRID(Geographic2D::EPSG_AGD84)`

to AGD84 / AMG zone 49 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 108°E to 114°E (EEZ)
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_`
	`↪AMG_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 50 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E (EEZ)
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 51 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 52 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 53 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_`
	`↪AMG_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 54 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_`
	`↪AMG_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 55 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_`
	`↪AMG_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to AGD84 / AMG zone 56 (Projected)

EPSG	PHPCoord

Name: Australian Map Grid zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: AGD84 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - AGD84
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  xAxisTranslation: new Metre(-117.763),`
	`  yAxisTranslation: new Metre(-51.51),`
	`  zAxisTranslation: new Metre(139.061),`
	`  xAxisRotation: new ArcSecond(-0.292),`
	`  yAxisRotation: new ArcSecond(-0.443),`
	`  zAxisRotation: new ArcSecond(-0.277),`
	`  scaleDifference: new PartsPerMillion(-0.191)`
	`)`

Name: AGD84 to GDA94 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - AGD84
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  offsetsFile: NTv2AGD84GDA94AustraliaProvider->provideGrid()`
	`)`

ATF (Paris)

```
Geographic2D::fromSRID(Geographic2D::EPSG_ATF_PARIS)
```

to ATF (Paris) / Nord de Guerre (Projected)

EPSG	PHPCoord

Name: Nord de Guerre
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Alsace
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ATF_PARIS_NORD_DE_GUERRE),`
	`  latitudeOfNaturalOrigin: new Grad(55),`
	`  longitudeOfNaturalOrigin: new Grad(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99950908),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

ATRF2014

```
Geographic2D::fromSRID(Geographic2D::EPSG_ATRF2014)
```

to ATRF2014 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ATRF2014)`
	`)`

ATS77

```
Geographic2D::fromSRID(Geographic2D::EPSG_ATS77)
```

to ATS77 / MTM Nova Scotia zone 4 (Projected)

EPSG	PHPCoord

Name: MTM Nova Scotia zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - east of 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ATS77 / MTM Nova Scotia zone 5 (Projected)

EPSG	PHPCoord

Name: MTM Nova Scotia zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - west of 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ATS77 / New Brunswick Stereographic (ATS77) (Projected)

EPSG	PHPCoord

Name: New Brunswick Stereographic (ATS77)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_ATS77_NEW_BRUNSWICK_STEREOGRAPHIC_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to ATS77 / Prince Edward Isl. Stereographic (ATS77) (Projected)

EPSG	PHPCoord

Name: Prince Edward Island Stereographic (ATS77)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_ATS77_PRINCE_EDWARD_ISL_STEREOGRAPHIC_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(400000)`
	`)`

to ATS77 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ATS77 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to NAD83 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2ATS77NAD831986NovaScotiaProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to NAD83(CSRS)v2 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2ATS777NAD83CSRS1997PrinceEdwardProvider->`
	`↪provideGrid()`
	`)`

Name: ATS77 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2ATS77NAD83CSRS1997NewBrunswickProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to NAD83(CSRS)v6 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V6),`
	`  offsetsFile:␣`
	`↪NTv2ATS77NAD83CSRS2010NovaScotiaProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile:␣`
	`↪NTv2ATS77NAD83CSRS1997NewBrunswickProvider->`
	`↪provideGrid()`
	`)`

Name: ATS77 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile:␣`
	`↪NTv2ATS777NAD83CSRS1997PrinceEdwardProvider->`
	`↪provideGrid()`
	`)`

AbInvA96_2020-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_ABINVA96_2020_IRF)`

to AbInvA96_2020 Grid (Projected)

EPSG	PHPCoord

Name: AbInvA96_2020-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Aberdeen to Inverness
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ABINVA96_2020_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(57.4),`
	`  longitudeOfNaturalOrigin: new Degree(-3.2),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(155828.702),`
	`  falseNorthing: new Metre(115225.707)`
	`)`

Abidjan 1987

```
Geographic2D::fromSRID(Geographic2D::EPSG_ABIDJAN_1987)
```

to Abidjan 1987 / TM 5 NW (Projected)

EPSG	PHPCoord

Name: TM 5 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast) - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ABIDJAN_1987_TM_5_NW),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Abidjan 1987 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ABIDJAN_1987_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Abidjan 1987 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Abidjan 1987 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-124.76),`
	`  yAxisTranslation: new Metre(53),`
	`  zAxisTranslation: new Metre(466.79)`
	`)`

Accra

`Geographic2D::fromSRID(Geographic2D::EPSG_ACCRA)`

to Accra / Ghana National Grid (Projected)

EPSG	PHPCoord

Name: Ghana National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ACCRA_GHANA_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-1),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new GoldCoastFoot(900000),`
	`  falseNorthing: new GoldCoastFoot(0)`
	`)`

to Accra / TM 1 NW (Projected)

EPSG	PHPCoord

Name: TM 1 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ACCRA_TM_1_NW),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-1),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Accra to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  xAxisTranslation: new Metre(-171.16),`
	`  yAxisTranslation: new Metre(17.29),`
	`  zAxisTranslation: new Metre(323.31)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Accra to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-170),`
	`  yAxisTranslation: new Metre(33),`
	`  zAxisTranslation: new Metre(326)`
	`)`

Aden 1925

`Geographic2D::fromSRID(Geographic2D::EPSG_ADEN_1925)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Aden 1925 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Yemen - South Yemen - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-24),`
	`  yAxisTranslation: new Metre(-203),`
	`  zAxisTranslation: new Metre(268)`
	`)`

Adindan

`Geographic2D::fromSRID(Geographic2D::EPSG_ADINDAN)`

to Adindan / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ADINDAN_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Adindan / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ADINDAN_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Adindan / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ADINDAN_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Adindan / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ADINDAN_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Adindan to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Eritrea, Ethiopia, South Sudan and Sudan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-166),`
	`  yAxisTranslation: new Metre(-15),`
	`  zAxisTranslation: new Metre(204)`
	`)`

Name: Adindan to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Burkina Faso
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-118),`
	`  yAxisTranslation: new Metre(-14),`
	`  zAxisTranslation: new Metre(218)`
	`)`

Name: Adindan to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-134),`
	`  yAxisTranslation: new Metre(-2),`
	`  zAxisTranslation: new Metre(210)`
	`)`

Name: Adindan to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ethiopia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-165),`
	`  yAxisTranslation: new Metre(-11),`
	`  zAxisTranslation: new Metre(206)`
	`)`

Name: Adindan to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mali
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-123),`
	`  yAxisTranslation: new Metre(-20),`
	`  zAxisTranslation: new Metre(220)`
	`)`

Name: Adindan to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Senegal - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-128),`
	`  yAxisTranslation: new Metre(-18),`
	`  zAxisTranslation: new Metre(224)`
	`)`

Name: Adindan to WGS 84 (7)	`$point->geocentricTranslation(`

Afgooye

`Geographic2D::fromSRID(Geographic2D::EPSG_AFGOOYE)`

to Afgooye / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪AFGOOYE_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Afgooye / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪AFGOOYE_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Afgooye to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Somalia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-43),`
	`  yAxisTranslation: new Metre(-163),`
	`  zAxisTranslation: new Metre(45)`
	`)`

Ain el Abd

```
Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD)
```

to Ain el Abd / Aramco Lambert (Projected)

EPSG	PHPCoord

Name: Aramco Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_ARAMCO_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(25.08951),`
	`  longitudeOfFalseOrigin: new Degree(48),`
	`  latitudeOf1stStandardParallel: new Degree(17),`
	`  latitudeOf2ndStandardParallel: new Degree(33),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to Ain el Abd / Bahrain Grid (Projected)

EPSG	PHPCoord

Name: Bahrain State Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bahrain
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_BAHRAIN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Ain el Abd / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Ain el Abd / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Ain el Abd / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Ain el Abd / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Ain el Abd / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AIN_EL_`
	`↪ABD_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: Ain el Abd to KSA-GRF17 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KSA_GRF17),`
	`  xAxisTranslation: new Metre(13.8714),`
	`  yAxisTranslation: new Metre(-83.9721),`
	`  zAxisTranslation: new Metre(101.674)`
	`)`

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ain el Abd to MTRF-2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MTRF_2000),`
	`  xAxisTranslation: new Metre(-61.15),`
	`  yAxisTranslation: new Metre(-315.86),`
	`  zAxisTranslation: new Metre(-3.51),`
	`  xAxisRotation: new ArcSecond(0.41),`
	`  yAxisRotation: new ArcSecond(0.74),`
	`  zAxisRotation: new ArcSecond(-3.52),`
	`  scaleDifference: new PartsPerMillion(1.36)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Ain el Abd to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - north of 29.25°N
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-202.234),`
	`  yAxisTranslation: new Metre(-168.351),`
	`  zAxisTranslation: new Metre(-63.51),`
	`  xAxisRotation: new ArcSecond(-3.545),`
	`  yAxisRotation: new ArcSecond(-0.659),`
	`  zAxisRotation: new ArcSecond(1.945),`
	`  scaleDifference: new PartsPerMillion(2.1)`
	`)`

Name: Ain el Abd to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - south of 29.25°N
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-18.944),`
	`  yAxisTranslation: new Metre(-379.364),`
	`  zAxisTranslation: new Metre(-24.063),`
	`  xAxisRotation: new ArcSecond(-0.04),`
	`  yAxisRotation: new ArcSecond(0.764),`
	`  zAxisRotation: new ArcSecond(-6.431),`
	`  scaleDifference: new PartsPerMillion(3.657)`
	`)`

Name: Ain el Abd to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bahrain - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-150),`
	`  yAxisTranslation: new Metre(-250),`
	`  zAxisTranslation: new Metre(-1)`
	`)`

Name: Ain el Abd to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-143),`
	`  yAxisTranslation: new Metre(-236),`
	`  zAxisTranslation: new Metre(7)`
	`)`

Albanian 1987

`Geographic2D::fromSRID(Geographic2D::EPSG_ALBANIAN_1987)`

to Albanian 1987 / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ALBANIAN_1987_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Albanian 1987 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-44.183),`
	`  yAxisTranslation: new Metre(-0.58),`
	`  zAxisTranslation: new Metre(-38.489),`
	`  xAxisRotation: new ArcSecond(-2.3867),`
	`  yAxisRotation: new ArcSecond(-2.7072),`
	`  zAxisRotation: new ArcSecond(3.5196),`
	`  scaleDifference: new PartsPerMillion(-8.2703)`
	`)`

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(58) to Albanian 1987 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

American Samoa 1962

`Geographic2D::fromSRID(Geographic2D::EPSG_AMERICAN_SAMOA_1962)`

to American Samoa 1962 / American Samoa Lambert (Projected)

EPSG	PHPCoord

Name: American Samoa Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_AMERICAN_SAMOA_1962_AMERICAN_SAMOA_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(-14.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(312234.65)`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: American Samoa 1962 to NAD83(HARN) (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeDifferenceFile: 'NADCON5AS62NAD831993ASLatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: 'NADCON5AS62NAD831993ASLongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: American Samoa 1962 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-115),`
	`  yAxisTranslation: new Metre(118),`
	`  zAxisTranslation: new Metre(426)`
	`)`

Amersfoort

`Geographic2D::fromSRID(Geographic2D::EPSG_AMERSFOORT)`

to Amersfoort / RD New (Projected)

EPSG	PHPCoord

Name: RD New
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪AMERSFOORT_RD_NEW),`
	`  latitudeOfNaturalOrigin: new Degree(52.`
	`↪156160555556),`
	`  longitudeOfNaturalOrigin: new Degree(5.`
	`↪3876388888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999079),`
	`  falseEasting: new Metre(155000),`
	`  falseNorthing: new Metre(463000)`
	`)`

to Amersfoort / RD Old (Projected)

EPSG	PHPCoord

Name: RD Old
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪AMERSFOORT_RD_OLD),`
	`  latitudeOfNaturalOrigin: new Degree(52.`
	`↪156160555556),`
	`  longitudeOfNaturalOrigin: new Degree(5.`
	`↪3876388888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999079),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Amersfoort to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(565.7381),`
	`  yAxisTranslation: new Metre(50.4018),`
	`  zAxisTranslation: new Metre(465.2904),`
	`  xAxisRotation: new MicroRadian(1.91514),`
	`  yAxisRotation: new MicroRadian(-1.60363),`
	`  zAxisRotation: new MicroRadian(9.09546),`
	`  scaleDifference: new PartsPerMillion(4.07244)`
	`)`

Name: Amersfoort to ETRS89 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: NTv2RDETRS89NetherlandsProvider->provideGrid()`
	`)`

Ammassalik 1958

`Geographic2D::fromSRID(Geographic2D::EPSG_AMMASSALIK_1958)`

to Ammassalik 1958 / Greenland zone 7 east (Projected)

EPSG	PHPCoord

Name: Greenland zone 7 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - east - 63°N to 66°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_AMMASSALIK_1958_GREENLAND_ZONE_7_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(64.5),`
	`  longitudeOfNaturalOrigin: new Degree(-40),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: Ammassalik 1958 to GR96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Ammassalik area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  xAxisTranslation: new Metre(-45),`
	`  yAxisTranslation: new Metre(417),`
	`  zAxisTranslation: new Metre(-3.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.6)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Ammassalik 1958 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Ammassalik area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-45),`
	`  yAxisTranslation: new Metre(417),`
	`  zAxisTranslation: new Metre(-3.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.6)`
	`)`

Anguilla 1957

`Geographic2D::fromSRID(Geographic2D::EPSG_ANGUILLA_1957)`

to Anguilla 1957 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ANGUILLA_1957_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Anguilla 1957 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Anguilla - onshore
	`$point->geographic2DOffsets(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOffset: new ArcSecond(-18),`
	`  longitudeOffset: new ArcSecond(4.4)`
	`)`

Antigua 1943

`Geographic2D::fromSRID(Geographic2D::EPSG_ANTIGUA_1943)`

to Antigua 1943 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ANTIGUA_1943_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Antigua 1943 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antigua - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-255),`
	`  yAxisTranslation: new Metre(-15),`
	`  zAxisTranslation: new Metre(71)`
	`)`

Aratu

`Geographic2D::fromSRID(Geographic2D::EPSG_ARATU)`

to Aratu / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARATU_`
	`↪UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Aratu / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Aratu / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Aratu / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: Aratu to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Santos and Pelotas
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-157.84),`
	`  yAxisTranslation: new Metre(308.54),`
	`  zAxisTranslation: new Metre(-146.6)`
	`)`

Name: Aratu to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Campos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-160.31),`
	`  yAxisTranslation: new Metre(314.82),`
	`  zAxisTranslation: new Metre(-142.25)`
	`)`

Name: Aratu to SIRGAS 2000 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Espirito Santo and Mucuri
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-161.11),`
	`  yAxisTranslation: new Metre(310.25),`
	`  zAxisTranslation: new Metre(-144.64)`
	`)`

Name: Aratu to SIRGAS 2000 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Cumuruxatiba, Jequitinhonha and Camamu-Almada
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-160.4),`
	`  yAxisTranslation: new Metre(302.29),`
	`  zAxisTranslation: new Metre(-144.19)`
	`)`

Name: Aratu to SIRGAS 2000 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Reconcavo and Jacuipe
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-153.54),`
	`  yAxisTranslation: new Metre(302.33),`
	`  zAxisTranslation: new Metre(-152.37)`
	`)`

Name: Aratu to SIRGAS 2000 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Tucano and Jatoba
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-151.5),`
	`  yAxisTranslation: new Metre(300.09),`
	`  zAxisTranslation: new Metre(-151.15)`
	`)`

Name: Aratu to SIRGAS 2000 (7)	`$point->geocentricTranslation(`

Arc 1950

`Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1950)`

to Arc 1950 / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_`
	`↪1950_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Arc 1950 / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_`
	`↪1950_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Arc 1950 / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Arc 1950 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Botswana
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-138),`
	`  yAxisTranslation: new Metre(-105),`
	`  zAxisTranslation: new Metre(-289)`
	`)`

Name: Arc 1950 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lesotho
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-125),`
	`  yAxisTranslation: new Metre(-108),`
	`  zAxisTranslation: new Metre(-295)`
	`)`

Name: Arc 1950 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malawi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-161),`
	`  yAxisTranslation: new Metre(-73),`
	`  zAxisTranslation: new Metre(-317)`
	`)`

Name: Arc 1950 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Eswatini
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-134),`
	`  yAxisTranslation: new Metre(-105),`
	`  zAxisTranslation: new Metre(-295)`
	`)`

Name: Arc 1950 to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Zambia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-147),`
	`  yAxisTranslation: new Metre(-74),`
	`  zAxisTranslation: new Metre(-283)`
	`)`

Name: Arc 1950 to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malawi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-179),`
	`  yAxisTranslation: new Metre(-81),`
	`  zAxisTranslation: new Metre(-314)`
	`)`

Name: Arc 1950 to WGS 84 (10)	`$point->geocentricTranslation(`

Arc 1960

`Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1960)`

to Arc 1960 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Arc 1960 / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Arc 1960 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_`
	`↪1960_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Arc 1960 / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_`
	`↪1960_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Arc 1960 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_`
	`↪1960_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Arc 1960 / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Arc 1960 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Kenya and Tanzania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-160),`
	`  yAxisTranslation: new Metre(-6),`
	`  zAxisTranslation: new Metre(-302)`
	`)`

Name: Arc 1960 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kenya - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-157),`
	`  yAxisTranslation: new Metre(-2),`
	`  zAxisTranslation: new Metre(-299)`
	`)`

Name: Arc 1960 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tanzania - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-175),`
	`  yAxisTranslation: new Metre(-23),`
	`  zAxisTranslation: new Metre(-303)`
	`)`

Name: Arc 1960 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Burundi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-153),`
	`  yAxisTranslation: new Metre(-5),`
	`  zAxisTranslation: new Metre(-292)`
	`)`

Ascension Island 1958

```
Geographic2D::fromSRID(Geographic2D::EPSG_ASCENSION_ISLAND_1958)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Ascension Island 1958 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - Ascension Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-205),`
	`  yAxisTranslation: new Metre(107),`
	`  zAxisTranslation: new Metre(53)`
	`)`

Astro DOS 71

```
Geographic2D::fromSRID(Geographic2D::EPSG_ASTRO_DOS_71)
```

to Astro DOS 71 / SHLG71 (Projected)

EPSG	PHPCoord

Name: St. Helena Local Grid 1971
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ASTRO_DOS_71_SHLG71),`
	`  latitudeOfNaturalOrigin: new Degree(-15.966666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-5.7166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to Astro DOS 71 / UTM zone 30S (Projected)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ASTRO_DOS_71_UTM_ZONE_30S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SHGD2015 (Geographic2D)

EPSG	PHPCoord

Name: Astro DOS 71 to SHGD2015 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015),`
	`  xAxisTranslation: new Metre(-112.854),`
	`  yAxisTranslation: new Metre(12.27),`
	`  zAxisTranslation: new Metre(-18.913),`
	`  xAxisRotation: new ArcSecond(2.1692),`
	`  yAxisRotation: new ArcSecond(16.8896),`
	`  zAxisRotation: new ArcSecond(17.1961),`
	`  scaleDifference: new PartsPerMillion(-19.54517)`
	`)`

Name: SHGD2015 to Astro DOS 71 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015),`
	`  xAxisTranslation: new Metre(-112.771),`
	`  yAxisTranslation: new Metre(12.282),`
	`  zAxisTranslation: new Metre(-18.935),`
	`  xAxisRotation: new ArcSecond(2.1692),`
	`  yAxisRotation: new ArcSecond(16.8896),`
	`  zAxisRotation: new ArcSecond(17.1961),`
	`  scaleDifference: new PartsPerMillion(-19.54517)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Astro DOS 71 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-323.65),`
	`  yAxisTranslation: new Metre(551.39),`
	`  zAxisTranslation: new Metre(-491.22)`
	`)`

Australian Antarctic

`Geographic2D::fromSRID(Geographic2D::EPSG_AUSTRALIAN_ANTARCTIC)`

to Australian Antarctic (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪AUSTRALIAN_ANTARCTIC)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Antarctic to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Australian sector
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Ayabelle Lighthouse

`Geographic2D::fromSRID(Geographic2D::EPSG_AYABELLE_LIGHTHOUSE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Ayabelle Lighthouse to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Djibouti - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-77),`
	`  yAxisTranslation: new Metre(-128),`
	`  zAxisTranslation: new Metre(142)`
	`)`

Azores Central 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1948)`

to Azores Central 1948 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AZORES_CENTRAL_1948_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Azores Central 1948 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-104),`
	`  yAxisTranslation: new Metre(167),`
	`  zAxisTranslation: new Metre(-38)`
	`)`

Azores Central 1995

`Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_CENTRAL_1995)`

to Azores Central 1995 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AZORES_`
	`↪CENTRAL_1995_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: Azores Central 1995 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Faial onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-105.377),`
	`  yAxisTranslation: new Metre(165.769),`
	`  zAxisTranslation: new Metre(-36.965)`
	`)`

Name: Azores Central 1995 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Graciosa onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-105.359),`
	`  yAxisTranslation: new Metre(165.804),`
	`  zAxisTranslation: new Metre(-37.05)`
	`)`

Name: Azores Central 1995 to PTRA08 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Pico onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-105.531),`
	`  yAxisTranslation: new Metre(166.39),`
	`  zAxisTranslation: new Metre(-37.326)`
	`)`

Name: Azores Central 1995 to PTRA08 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - S Jorge onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-105.756),`
	`  yAxisTranslation: new Metre(165.972),`
	`  zAxisTranslation: new Metre(-37.313)`
	`)`

Name: Azores Central 1995 to PTRA08 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Terceira onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-106.235),`
	`  yAxisTranslation: new Metre(166.236),`
	`  zAxisTranslation: new Metre(-37.768)`
	`)`

Azores Occidental 1939

`Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_OCCIDENTAL_1939)`

to Azores Occidental 1939 / UTM zone 25N (Projected)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AZORES_OCCIDENTAL_1939_UTM_ZONE_25N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: Azores Occidental 1939 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores W - Flores onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  xAxisTranslation: new Metre(-423.053),`
	`  yAxisTranslation: new Metre(-172.871),`
	`  zAxisTranslation: new Metre(83.771)`
	`)`

Name: Azores Occidental 1939 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores W - Corvo onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  xAxisTranslation: new Metre(-423.024),`
	`  yAxisTranslation: new Metre(-172.923),`
	`  zAxisTranslation: new Metre(83.83)`
	`)`

Azores Oriental 1940

`Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1940)`

to Azores Oriental 1940 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1940_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Azores Oriental 1940 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-203),`
	`  yAxisTranslation: new Metre(141),`
	`  zAxisTranslation: new Metre(53)`
	`)`

Azores Oriental 1995

`Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1995)`

to Azores Oriental 1995 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_AZORES_`
	`↪ORIENTAL_1995_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: Azores Oriental 1995 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - S Miguel onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-204.519),`
	`  yAxisTranslation: new Metre(140.159),`
	`  zAxisTranslation: new Metre(55.404)`
	`)`

Name: Azores Oriental 1995 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - Santa Maria onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-205.808),`
	`  yAxisTranslation: new Metre(140.771),`
	`  zAxisTranslation: new Metre(54.326)`
	`)`

BBT2000

`Geographic2D::fromSRID(Geographic2D::EPSG_BBT2000)`

to BBT2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_BBT2000)`
	`)`

to BBT2000 / BBT-TM (Projected)

EPSG	PHPCoord

Name: Brenner Base Tunnel TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Brenner
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BBT2000_BBT_TM),`
	`  latitudeOfNaturalOrigin: new Degree(46.980776305556),`
	`  longitudeOfNaturalOrigin: new Degree(11.52849375),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000121),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BBT2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Brenner
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

BD50

```
Geographic2D::fromSRID(Geographic2D::EPSG_BD50)
```

to BD50 (Brussels) (Geographic2D)

EPSG	PHPCoord

Name: BD50 (Brussels) to BD50 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BD50_BRUSSELS),`
	`  longitudeOffset: new Degree(-4.367975)`
	`)`

BD50 (Brussels)

```
Geographic2D::fromSRID(Geographic2D::EPSG_BD50_BRUSSELS)
```

to BD50 (Brussels) / Belge Lambert 50 (Projected)

EPSG	PHPCoord

Name: Belge Lambert 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_BD50_BRUSSELS_BELGE_LAMBERT_50),`
	`  latitudeOfFalseOrigin: new Degree(90),`
	`  longitudeOfFalseOrigin: new Degree(0),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(150000),`
	`  northingAtFalseOrigin: new Metre(5400000)`
	`)`

to BD50 (Geographic2D)

EPSG	PHPCoord

Name: BD50 (Brussels) to BD50 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BD50),`
	`  longitudeOffset: new Degree(4.367975)`
	`)`

BD72

`Geographic2D::fromSRID(Geographic2D::EPSG_BD72)`

to BD72 / Belge Lambert 72 (Projected)

EPSG	PHPCoord

Name: Belge Lambert 72
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SPBelgium(`
	`  to: Projected::fromSRID(Projected::EPSG_BD72_BELGE_LAMBERT_72),`
	`  latitudeOfFalseOrigin: new Degree(90),`
	`  longitudeOfFalseOrigin: new Degree(4.3569397222222),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(150000.01256),`
	`  northingAtFalseOrigin: new Metre(5400088.4378)`
	`)`

to BD72 / Belgian Lambert 72 (Projected)

EPSG	PHPCoord

Name: Belgian Lambert 72
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_BD72_BELGIAN_LAMBERT_72),`
	`  latitudeOfFalseOrigin: new Degree(90),`
	`  longitudeOfFalseOrigin: new Degree(4.3674866666667),`
	`  latitudeOf1stStandardParallel: new Degree(51.166667233333),`
	`  latitudeOf2ndStandardParallel: new Degree(49.8333339),`
	`  eastingAtFalseOrigin: new Metre(150000.013),`
	`  northingAtFalseOrigin: new Metre(5400088.438)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: BD72 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(-106.8686),`
	`  yAxisTranslation: new Metre(52.2978),`
	`  zAxisTranslation: new Metre(-103.7239),`
	`  xAxisRotation: new ArcSecond(-0.3366),`
	`  yAxisRotation: new ArcSecond(0.457),`
	`  zAxisRotation: new ArcSecond(-1.8422),`
	`  scaleDifference: new PartsPerMillion(-1.2747)`
	`)`

Name: BD72 to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: NTv2BD79ETRS89BelgiumProvider->provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BD72 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-125.8),`
	`  yAxisTranslation: new Metre(79.9),`
	`  zAxisTranslation: new Metre(-100.5)`
	`)`

BDA2000

`Geographic2D::fromSRID(Geographic2D::EPSG_BDA2000)`

to BDA2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪BDA2000)`
	`)`

to BDA2000 / Bermuda 2000 National Grid (Projected)

EPSG	PHPCoord

Name: Bermuda 2000 National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bermuda
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BDA2000_BERMUDA_2000_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(32),`
	`  longitudeOfNaturalOrigin: new Degree(-64.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(550000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to Bermuda 1957 (Geographic2D)

EPSG	PHPCoord

Name: Bermuda 1957 to BDA2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bermuda - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BERMUDA_1957),`
	`  xAxisTranslation: new Metre(292.295),`
	`  yAxisTranslation: new Metre(-248.758),`
	`  zAxisTranslation: new Metre(-429.447),`
	`  xAxisRotation: new ArcSecond(4.9971),`
	`  yAxisRotation: new ArcSecond(2.99),`
	`  zAxisRotation: new ArcSecond(6.6906),`
	`  scaleDifference: new PartsPerMillion(-1.0289)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BDA2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bermuda
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

BGS2005

`Geographic2D::fromSRID(Geographic2D::EPSG_BGS2005)`

to BGS2005 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_BGS2005)`
	`)`

to BGS2005 / CCS2005 (Projected)

EPSG	PHPCoord

Name: Cadastral Coordinate System 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_BGS2005_CCS2005),`
	`  latitudeOfFalseOrigin: new Degree(42.667875683333),`
	`  longitudeOfFalseOrigin: new Degree(25.5),`
	`  latitudeOf1stStandardParallel: new Degree(42),`
	`  latitudeOf2ndStandardParallel: new Degree(43.333333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(4725824.3591)`
	`)`

to BGS2005 / UTM zone 34N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to BGS2005 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to BGS2005 / UTM zone 35N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to BGS2005 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to BGS2005 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: BGS2005 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(83) to BGS2005 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->positionVectorMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  xAxisTranslation: new Metre(-5),`
	`  yAxisTranslation: new Metre(133),`
	`  zAxisTranslation: new Metre(104),`
	`  xAxisRotation: new ArcSecond(1.4),`
	`  yAxisRotation: new ArcSecond(2),`
	`  zAxisRotation: new ArcSecond(-3.4),`
	`  scaleDifference: new PartsPerMillion(3.9901),`
	`  ordinate1OfEvaluationPoint: new Metre(4223032),`
	`  ordinate2OfEvaluationPoint: new Metre(2032778),`
	`  ordinate3OfEvaluationPoint: new Metre(4309209)`
	`)`

BH_ETRS89

`Geographic2D::fromSRID(Geographic2D::EPSG_BH_ETRS89)`

to BH_ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪BH_ETRS89)`
	`)`

to BH_ETRS89 / TM (Projected)

EPSG	PHPCoord

Name: Bosnia and Herzegovina Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bosnia and Herzegovina
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BH_`
	`↪ETRS89_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: BH_ETRS89 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bosnia and Herzegovina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Barbados 1938

`Geographic2D::fromSRID(Geographic2D::EPSG_BARBADOS_1938)`

to Barbados 1938 / Barbados National Grid (Projected)

EPSG	PHPCoord

Name: Barbados National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Barbados - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BARBADOS_1938_BARBADOS_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(13.176388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-59.559722222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999986),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(75000)`
	`)`

to Barbados 1938 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BARBADOS_1938_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Barbados 1938 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Barbados - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(31.95),`
	`  yAxisTranslation: new Metre(300.99),`
	`  zAxisTranslation: new Metre(419.19)`
	`)`

Batavia

`Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA)`

to Batavia (Jakarta) (Geographic2D)

EPSG	PHPCoord

Name: Batavia (Jakarta) to Batavia (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Bali, Java and western Sumatra onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BATAVIA_JAKARTA),`
	`  longitudeOffset: new Degree(-106.80771944444)`
	`)`

to Batavia / NEIEZ (Projected)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BATAVIA_NEIEZ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(110),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

to Batavia / TM 109 SE (Projected)

EPSG	PHPCoord

Name: TM 109 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Java Sea - offshore northwest Java
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BATAVIA_TM_109_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(109),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Batavia / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Batavia / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Batavia / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Batavia to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Bali, Java and western Sumatra onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-377),`
	`  yAxisTranslation: new Metre(681),`
	`  zAxisTranslation: new Metre(-50)`
	`)`

Batavia (Jakarta)

`Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA_JAKARTA)`

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: Batavia (Jakarta) to Batavia (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Bali, Java and western Sumatra onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA),`
	`  longitudeOffset: new Degree(106.80771944444)`
	`)`

to Batavia (Jakarta) / NEIEZ (Projected)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone (Jkt)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_BATAVIA_JAKARTA_NEIEZ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3.1922805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Beduaram

`Geographic2D::fromSRID(Geographic2D::EPSG_BEDUARAM)`

to Beduaram / TM 13 NE (Projected)

EPSG	PHPCoord

Name: TM 13 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Niger - southeast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEDUARAM_TM_13_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Beduaram to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Niger - southeast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  xAxisTranslation: new Metre(-101),`
	`  yAxisTranslation: new Metre(-111),`
	`  zAxisTranslation: new Metre(187)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Beduaram to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Niger - southeast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-106),`
	`  yAxisTranslation: new Metre(-87),`
	`  zAxisTranslation: new Metre(188)`
	`)`

Beijing 1954

`Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 102E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 108E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 114E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 120E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 126E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 132E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 78E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 84E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 90E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 96E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 33 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 34 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 35 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 37 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 38 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 39 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 40 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 41 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 43 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 44 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / 3-degree Gauss-Kruger zone 45 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BEIJING_1954_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Beijing 1954 / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Beijing 1954 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Ordos basin
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(12.646),`
	`  yAxisTranslation: new Metre(-155.176),`
	`  zAxisTranslation: new Metre(-80.863)`
	`)`

Name: Beijing 1954 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Yellow Sea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(15.53),`
	`  yAxisTranslation: new Metre(-113.82),`
	`  zAxisTranslation: new Metre(-41.38),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.38)`
	`)`

Name: Beijing 1954 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Pearl River basin
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(31.4),`
	`  yAxisTranslation: new Metre(-144.3),`
	`  zAxisTranslation: new Metre(-74.8),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.38)`
	`)`

Name: Beijing 1954 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Tarim - 77.5°E to 88°E and 37°N to 42°N
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(15.8),`
	`  yAxisTranslation: new Metre(-154.4),`
	`  zAxisTranslation: new Metre(-82.3)`
	`)`

Name: Beijing 1954 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Bei Bu
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(18),`
	`  yAxisTranslation: new Metre(-136.8),`
	`  zAxisTranslation: new Metre(-73.7),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.38)`
	`)`

Bekaa Valley 1920

`Geographic2D::fromSRID(Geographic2D::EPSG_BEKAA_VALLEY_1920)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Bekaa Valley 1920 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lebanon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-183),`
	`  yAxisTranslation: new Metre(-15),`
	`  zAxisTranslation: new Metre(273)`
	`)`

Bellevue

`Geographic2D::fromSRID(Geographic2D::EPSG_BELLEVUE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Bellevue to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vanuatu - southern islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-127),`
	`  yAxisTranslation: new Metre(-769),`
	`  zAxisTranslation: new Metre(472)`
	`)`

Bermuda 1957

`Geographic2D::fromSRID(Geographic2D::EPSG_BERMUDA_1957)`

to BDA2000 (Geographic2D)

EPSG	PHPCoord

Name: Bermuda 1957 to BDA2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bermuda - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BDA2000),`
	`  xAxisTranslation: new Metre(-292.295),`
	`  yAxisTranslation: new Metre(248.758),`
	`  zAxisTranslation: new Metre(429.447),`
	`  xAxisRotation: new ArcSecond(-4.9971),`
	`  yAxisRotation: new ArcSecond(-2.99),`
	`  zAxisRotation: new ArcSecond(-6.6906),`
	`  scaleDifference: new PartsPerMillion(1.0289)`
	`)`

to Bermuda 1957 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪BERMUDA_1957_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Bern 1898 (Bern)

`Geographic2D::fromSRID(Geographic2D::EPSG_BERN_1898_BERN)`

to Bern 1898 (Bern) / LV03C (Projected)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1903C
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_BERN_`
	`↪1898_BERN_LV03C),`
	`  latitudeOfProjectionCentre: new Degree(46.`
	`↪952405555556),`
	`  longitudeOfProjectionCentre: new Degree(0),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(0),`
	`  northingAtProjectionCentre: new Metre(0)`
	`)`

to CH1903 (Geographic2D)

EPSG	PHPCoord

Name: Bern 1898 (Bern) to CH1903 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CH1903),`
	`  longitudeOffset: new Degree(7.4395833333333)`
	`)`

Bioko

`Geographic2D::fromSRID(Geographic2D::EPSG_BIOKO)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Bioko to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Equatorial Guinea - Bioko
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-235),`
	`  yAxisTranslation: new Metre(-110),`
	`  zAxisTranslation: new Metre(393)`
	`)`

Bissau

`Geographic2D::fromSRID(Geographic2D::EPSG_BISSAU)`

to Bissau / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BISSAU_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Bissau to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guinea-Bissau - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-173),`
	`  yAxisTranslation: new Metre(253),`
	`  zAxisTranslation: new Metre(27)`
	`)`

Bogota 1975

`Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975)`

to Bogota 1975 (Bogota) (Geographic2D)

EPSG	PHPCoord

Name: Bogota 1975 (Bogota) to Bogota 1975 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - mainland
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975_BOGOTA),`
	`  longitudeOffset: new Degree(74.080916666667)`
	`)`

to Bogota 1975 / Colombia Bogota zone (Projected)

EPSG	PHPCoord

Name: Colombia Bogota zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 75°35'W to 72°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_BOGOTA_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-74.080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to Bogota 1975 / Colombia East Central zone (Projected)

EPSG	PHPCoord

Name: Colombia East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 72°35'W to 69°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_CENTRAL_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-71.080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to Bogota 1975 / Colombia East zone (Projected)

EPSG	PHPCoord

Name: Colombia East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - east of 69°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BOGOTA_`
	`↪1975_COLOMBIA_EAST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.`
	`↪5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-68.`
	`↪080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to Bogota 1975 / Colombia West zone (Projected)

EPSG	PHPCoord

Name: Colombia West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - west of 75°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BOGOTA_`
	`↪1975_COLOMBIA_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.`
	`↪5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-77.`
	`↪080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to Bogota 1975 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_BOGOTA_1975_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Bogota 1975 to MAGNA-SIRGAS (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia region 1
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  xAxisTranslation: new Metre(300.449),`
	`  yAxisTranslation: new Metre(293.757),`
	`  zAxisTranslation: new Metre(-317.306),`
	`  xAxisRotation: new Radian(6.018581E-5),`
	`  yAxisRotation: new Radian(-1.450002E-5),`
	`  zAxisRotation: new Radian(-0.0001892455),`
	`  scaleDifference: new PartsPerMillion(-20.81615),`
	`  ordinate1OfEvaluationPoint: new Metre(1891881.173),`
	`  ordinate2OfEvaluationPoint: new Metre(-5961263.267),`
	`  ordinate3OfEvaluationPoint: new Metre(1248403.057)`
	`)`

Name: Bogota 1975 to MAGNA-SIRGAS (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia region 2
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  xAxisTranslation: new Metre(308.833),`
	`  yAxisTranslation: new Metre(282.519),`
	`  zAxisTranslation: new Metre(-314.571),`
	`  xAxisRotation: new Radian(-4.471845E-5),`
	`  yAxisRotation: new Radian(1.175087E-5),`
	`  zAxisRotation: new Radian(-4.027981E-5),`
	`  scaleDifference: new PartsPerMillion(-13.56561),`
	`  ordinate1OfEvaluationPoint: new Metre(1625036.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-6054644.061),`
	`  ordinate3OfEvaluationPoint: new Metre(1172969.151)`
	`)`

Name: Bogota 1975 to MAGNA-SIRGAS (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia region 3
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  xAxisTranslation: new Metre(311.118),`
	`  yAxisTranslation: new Metre(289.167),`
	`  zAxisTranslation: new Metre(-310.641),`
	`  xAxisRotation: new Radian(-8.358815E-5),`
	`  yAxisRotation: new Radian(-3.057474E-5),`
	`  zAxisRotation: new Radian(7.573043E-6),`
	`  scaleDifference: new PartsPerMillion(-5.771882),`
	`  ordinate1OfEvaluationPoint: new Metre(1555622.801),`
	`  ordinate2OfEvaluationPoint: new Metre(-6105353.313)`

Bogota 1975 (Bogota)

```
Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975_BOGOTA)
```

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: Bogota 1975 (Bogota) to Bogota 1975 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - mainland
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BOGOTA_1975),`
	`  longitudeOffset: new Degree(-74.080916666667)`
	`)`

Bukit Rimpah

```
Geographic2D::fromSRID(Geographic2D::EPSG_BUKIT_RIMPAH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Bukit Rimpah to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Banga & Belitung Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-384),`
	`  yAxisTranslation: new Metre(664),`
	`  zAxisTranslation: new Metre(-48)`
	`)`

CGRS93

```
Geographic2D::fromSRID(Geographic2D::EPSG_CGRS93)
```

to CGRS93 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CGRS93)`
	`)`

to CGRS93 / Cyprus Local Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Cyprus Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cyprus - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CGRS93_CYPRUS_LOCAL_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-3500000)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: CGRS93 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cyprus - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(8.846),`
	`  yAxisTranslation: new Metre(-4.394),`
	`  zAxisTranslation: new Metre(-1.122),`
	`  xAxisRotation: new ArcSecond(0.00237),`
	`  yAxisRotation: new ArcSecond(0.146528),`
	`  zAxisRotation: new ArcSecond(-0.130428),`
	`  scaleDifference: new PartsPerMillion(0.783926)`
	`)`

CH1903

`Geographic2D::fromSRID(Geographic2D::EPSG_CH1903)`

to Bern 1898 (Bern) (Geographic2D)

EPSG	PHPCoord

Name: Bern 1898 (Bern) to CH1903 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BERN_1898_BERN),`
	`  longitudeOffset: new Degree(-7.4395833333333)`
	`)`

to CH1903 / LV03 (Projected)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1903M
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_CH1903_LV03),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(7.4395833333333),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(600000),`
	`  northingAtProjectionCentre: new Metre(200000)`
	`)`

to CH1903 / LV03C-G (Projected)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1903C (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Liechtenstein
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_CH1903_LV03C_G),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(7.4395833333333),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(0),`
	`  northingAtProjectionCentre: new Metre(0)`
	`)`

to CH1903+ (Geographic2D)

EPSG	PHPCoord

Name: CH1903 to CH1903+ (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CH1903_PLUS),`
	`  offsetsFile: NTv2LV03LV95SwitzerlandProvider->provideGrid()`
	`)`

to CHTRS95 (Geographic2D)

EPSG	PHPCoord

Name: CH1903 to CHTRS95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHTRS95),`
	`  offsetsFile: NTv2LV03ETRS89SwitzerlandProvider->provideGrid()`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: CH1903 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: NTv2LV03ETRS89SwitzerlandProvider->provideGrid()`
	`)`

CH1903+

`Geographic2D::fromSRID(Geographic2D::EPSG_CH1903_PLUS)`

to CH1903 (Geographic2D)

EPSG	PHPCoord

Name: CH1903 to CH1903+ (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CH1903),`
	`  offsetsFile: NTv2LV03LV95SwitzerlandProvider->provideGrid()`
	`)`

to CH1903+ / LV95 (Projected)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1995
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_CH1903_PLUS_LV95),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(7.4395833333333),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(2600000),`
	`  northingAtProjectionCentre: new Metre(1200000)`
	`)`

to CHTRS95 (Geographic2D)

EPSG	PHPCoord

Name: CH1903+ to CHTRS95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHTRS95),`
	`  xAxisTranslation: new Metre(674.374),`
	`  yAxisTranslation: new Metre(15.056),`
	`  zAxisTranslation: new Metre(405.346)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: CH1903+ to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(674.374),`
	`  yAxisTranslation: new Metre(15.056),`
	`  zAxisTranslation: new Metre(405.346)`
	`)`

CHTRS95

`Geographic2D::fromSRID(Geographic2D::EPSG_CHTRS95)`

to CH1903 (Geographic2D)

EPSG	PHPCoord

Name: CH1903 to CHTRS95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CH1903),`
	`  offsetsFile: NTv2LV03ETRS89SwitzerlandProvider->provideGrid()`
	`)`

to CH1903+ (Geographic2D)

EPSG	PHPCoord

Name: CH1903+ to CHTRS95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CH1903_PLUS),`
	`  xAxisTranslation: new Metre(-674.374),`
	`  yAxisTranslation: new Metre(-15.056),`
	`  zAxisTranslation: new Metre(-405.346)`
	`)`

to CHTRS95 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CHTRS95)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: CHTRS95 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

CIGD11

`Geographic2D::fromSRID(Geographic2D::EPSG_CIGD11)`

to CIGD11 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CIGD11)`
	`)`

to Cayman Islands National Grid 2011 (Projected)

EPSG	PHPCoord

Name: Cayman Islands LCC (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_CAYMAN_`
	`↪ISLANDS_NATIONAL_GRID_2011),`
	`  latitudeOfFalseOrigin: new Degree(19.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-80.`
	`↪566666666667),`
	`  latitudeOf1stStandardParallel: new Degree(19.`
	`↪333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(19.`
	`↪7),`
	`  eastingAtFalseOrigin: new Foot(2950000),`
	`  northingAtFalseOrigin: new Foot(1900000)`
	`)`

to GCGD59 (Geographic2D)

EPSG	PHPCoord

Name: GCGD59 to CIGD11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands - Grand Cayman
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GCGD59),`
	`  xAxisTranslation: new Metre(179.483),`
	`  yAxisTranslation: new Metre(69.379),`
	`  zAxisTranslation: new Metre(27.584),`
	`  xAxisRotation: new ArcSecond(-7.862),`
	`  yAxisRotation: new ArcSecond(8.163),`
	`  zAxisRotation: new ArcSecond(6.042),`
	`  scaleDifference: new PartsPerMillion(13.925)`
	`)`

to SIGD61 (Geographic2D)

EPSG	PHPCoord

Name: SIGD61 to CIGD11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands - Little Cayman and Cayman Brac
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIGD61),`
	`  xAxisTranslation: new Metre(-8.853),`
	`  yAxisTranslation: new Metre(52.644),`
	`  zAxisTranslation: new Metre(-180.304),`
	`  xAxisRotation: new ArcSecond(-0.393),`
	`  yAxisRotation: new ArcSecond(-2.323),`
	`  zAxisRotation: new ArcSecond(2.96),`
	`  scaleDifference: new PartsPerMillion(24.081)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: CIGD11 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

CNH22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_CNH22_IRF)`

to CNH22 Grid (Projected)

EPSG	PHPCoord

Name: CNH22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Crewe to Holyhead
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_CNH22_GRID),`
	`  latitudeOfFalseOrigin: new Degree(53.25),`
	`  longitudeOfFalseOrigin: new Degree(-3.5),`
	`  latitudeOf1stStandardParallel: new Degree(53.1),`
	`  latitudeOf2ndStandardParallel: new Degree(53.4),`
	`  eastingAtFalseOrigin: new Metre(212548.8756),`
	`  northingAtFalseOrigin: new Metre(495230.9254)`
	`)`

COV23-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_COV23_IRF)`

to COV23 Grid (Projected)

EPSG	PHPCoord

Name: COV23-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Coventry
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_COV23_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.4),`
	`  longitudeOfNaturalOrigin: new Degree(-1.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(116887.9989),`
	`  falseNorthing: new Metre(102194.9369)`
	`)`

CR-SIRGAS

`Geographic2D::fromSRID(Geographic2D::EPSG_CR_SIRGAS)`

to CR-SIRGAS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CR_SIRGAS)`
	`)`

to CR-SIRGAS / CRTM05 (Projected)

EPSG	PHPCoord

Name: Costa Rica TM 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore and offshore east of 86°30'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CR_SIRGAS_CRTM05),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CR-SIRGAS / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CR-SIRGAS / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CR05 (Geographic2D)

EPSG	PHPCoord

Name: CR05 to CR-SIRGAS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR05),`
	`  xAxisTranslation: new Metre(0.16959),`
	`  yAxisTranslation: new Metre(-0.35312),`
	`  zAxisTranslation: new Metre(-0.51846),`
	`  xAxisRotation: new ArcSecond(0.03385),`
	`  yAxisRotation: new ArcSecond(-0.16325),`
	`  zAxisRotation: new ArcSecond(0.03446),`
	`  scaleDifference: new PartsPerMillion(-0.03693)`
	`)`

CR05

`Geographic2D::fromSRID(Geographic2D::EPSG_CR05)`

to CR-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: CR05 to CR-SIRGAS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR_SIRGAS),`
	`  xAxisTranslation: new Metre(-0.16959),`
	`  yAxisTranslation: new Metre(0.35312),`
	`  zAxisTranslation: new Metre(0.51846),`
	`  xAxisRotation: new ArcSecond(-0.03385),`
	`  yAxisRotation: new ArcSecond(0.16325),`
	`  zAxisRotation: new ArcSecond(-0.03446),`
	`  scaleDifference: new PartsPerMillion(0.03693)`
	`)`

to CR05 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CR05)`
	`)`

to CR05 / CRTM05 (Projected)

EPSG	PHPCoord

Name: Costa Rica TM 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore and offshore east of 86°30'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CR05_CRTM05),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Ocotepeque 1935 to CR05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OCOTEPEQUE_1935),`
	`  xAxisTranslation: new Metre(-213.11),`
	`  yAxisTranslation: new Metre(-9.37),`
	`  zAxisTranslation: new Metre(74.95)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: CR05 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-0.16959),`
	`  yAxisTranslation: new Metre(0.35312),`
	`  zAxisTranslation: new Metre(0.51846),`
	`  xAxisRotation: new ArcSecond(-0.03385),`
	`  yAxisRotation: new ArcSecond(0.16325),`
	`  zAxisRotation: new ArcSecond(-0.03446),`
	`  scaleDifference: new PartsPerMillion(0.03693)`
	`)`

CSG67

`Geographic2D::fromSRID(Geographic2D::EPSG_CSG67)`

to CSG67 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CSG67 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGFG95 (Geographic2D)

EPSG	PHPCoord

Name: CSG67 to RGFG95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Guiana - coastal area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95),`
	`  xAxisTranslation: new Metre(-193.066),`
	`  yAxisTranslation: new Metre(236.993),`
	`  zAxisTranslation: new Metre(105.447),`
	`  xAxisRotation: new ArcSecond(0.4814),`
	`  yAxisRotation: new ArcSecond(-0.8074),`
	`  zAxisRotation: new ArcSecond(0.1276),`
	`  scaleDifference: new PartsPerMillion(1.5649)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: CSG67 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Guiana - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-186),`
	`  yAxisTranslation: new Metre(230),`
	`  zAxisTranslation: new Metre(110)`
	`)`

CWS13-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_CWS13_IRF)`

to CWS13 Grid (Projected)

EPSG	PHPCoord

Name: CWS13-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Chester to Shrewsbury
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CWS13_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.4),`
	`  longitudeOfNaturalOrigin: new Degree(-2.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(199668.0926),`
	`  falseNorthing: new Metre(89354.3229)`
	`)`

Cadastre 1997

`Geographic2D::fromSRID(Geographic2D::EPSG_CADASTRE_1997)`

to Cadastre 1997 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_CADASTRE_1997)`
	`)`

to Cadastre 1997 / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CADASTRE_1997_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGM04 (Geographic2D)

EPSG	PHPCoord

Name: Cadastre 1997 to RGM04 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mayotte - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGM04),`
	`  xAxisTranslation: new Metre(-381.788),`
	`  yAxisTranslation: new Metre(-57.501),`
	`  zAxisTranslation: new Metre(-256.673)`
	`)`

Camacupa 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_1948)`

to Camacupa 1948 / TM 11.30 SE (Projected)

EPSG	PHPCoord

Name: TM 11.30 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - offshore block 15
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_11_30_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Camacupa 1948 / TM 12 SE (Projected)

EPSG	PHPCoord

Name: TM 12 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CAMACUPA_1948_TM_12_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Camacupa 1948 / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CAMACUPA_1948_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Camacupa 1948 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CAMACUPA_1948_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 1948 to RSAO13 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - offshore block 7
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RSAO13),`
	`  xAxisTranslation: new Metre(-43),`
	`  yAxisTranslation: new Metre(-337),`
	`  zAxisTranslation: new Metre(-233)`
	`)`

Name: Camacupa 1948 to RSAO13 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - offshore blocks 1 16 and 18
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RSAO13),`
	`  xAxisTranslation: new Metre(-41.057),`
	`  yAxisTranslation: new Metre(-374.564),`
	`  zAxisTranslation: new Metre(-226.287),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.554),`
	`  scaleDifference: new PartsPerMillion(0.219)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 1948 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(-37.2),`
	`  yAxisTranslation: new Metre(-370.6),`
	`  zAxisTranslation: new Metre(-228.5)`
	`)`

Camacupa 2015

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_2015)
```

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 2015 to RSAO13 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RSAO13),`
	`  xAxisTranslation: new Metre(-93.799),`
	`  yAxisTranslation: new Metre(-132.737),`
	`  zAxisTranslation: new Metre(-219.073),`
	`  xAxisRotation: new ArcSecond(1.844),`
	`  yAxisRotation: new ArcSecond(-0.648),`
	`  zAxisRotation: new ArcSecond(6.37),`
	`  scaleDifference: new PartsPerMillion(-0.169)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 2015 to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-93.799),`
	`  yAxisTranslation: new Metre(-132.737),`
	`  zAxisTranslation: new Metre(-219.073),`
	`  xAxisRotation: new ArcSecond(1.844),`
	`  yAxisRotation: new ArcSecond(-0.648),`
	`  zAxisRotation: new ArcSecond(6.37),`
	`  scaleDifference: new PartsPerMillion(-0.169)`
	`)`

Camp Area Astro

```
Geographic2D::fromSRID(Geographic2D::EPSG_CAMP_AREA_ASTRO)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Camp Area Astro to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Camp McMurdo area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-104),`
	`  yAxisTranslation: new Metre(-129),`
	`  zAxisTranslation: new Metre(239)`
	`)`

Campo Inchauspe

`Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE)`

to Campo Inchauspe / Argentina 1 (Projected)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_1),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / Argentina 3 (Projected)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_3),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / Argentina 4 (Projected)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_4),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / Argentina 5 (Projected)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_5),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / Argentina 6 (Projected)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_6),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / Argentina 7 (Projected)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_7),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Campo Inchauspe / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Campo Inchauspe / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Chos Malal 1914 (Geographic2D)

EPSG	PHPCoord

Name: Chos Malal 1914 to Campo Inchauspe (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Neuquen province Auca Mahuida area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHOS_MALAL_1914),`
	`  xAxisTranslation: new Metre(-160),`
	`  yAxisTranslation: new Metre(-26),`
	`  zAxisTranslation: new Metre(-41)`
	`)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Campo Inchauspe to POSGAR 2007 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  xAxisTranslation: new Metre(-148),`
	`  yAxisTranslation: new Metre(136),`
	`  zAxisTranslation: new Metre(90)`
	`)`

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Campo Inchauspe to POSGAR 94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_94),`
	`  xAxisTranslation: new Metre(-148),`
	`  yAxisTranslation: new Metre(136),`
	`  zAxisTranslation: new Metre(90)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Campo Inchauspe to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Neuquen province Auca Mahuida area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-154.5),`
	`  yAxisTranslation: new Metre(150.7),`
	`  zAxisTranslation: new Metre(100.4)`
	`)`

Cape

`Geographic2D::fromSRID(Geographic2D::EPSG_CAPE)`

to Cape / Lo15 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - Walvis Bay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_`
	`↪LO15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo17 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - west of 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo19 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 18°E to 20°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo21 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 20°E to 22°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo23 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 22°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo25 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 24°E to 26°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo27 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 26°E to 28°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo29 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 28°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo31 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 30°E to 32°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / Lo33 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - east of 32°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_LO33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Cape / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Cape / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: Cape to Hartebeesthoek94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94),`
	`  xAxisTranslation: new Metre(-134.73),`
	`  yAxisTranslation: new Metre(-110.92),`
	`  zAxisTranslation: new Metre(-292.66)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Cape to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-134.73),`
	`  yAxisTranslation: new Metre(-110.92),`
	`  zAxisTranslation: new Metre(-292.66)`
	`)`

Cape Canaveral

`Geographic2D::fromSRID(Geographic2D::EPSG_CAPE_CANAVERAL)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Cape Canaveral to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Bahamas and USA - Florida - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-2),`
	`  yAxisTranslation: new Metre(151),`
	`  zAxisTranslation: new Metre(181)`
	`)`

Carthage

`Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE)`

to Carthage (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Carthage (Paris) to Carthage (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CARTHAGE_PARIS),`
	`  longitudeOffset: new Grad(-2.5969213)`
	`)`

to Carthage / Nord Tunisie (Projected)

EPSG	PHPCoord

Name: Nord Tunisie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_CARTHAGE_NORD_TUNISIE),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to Carthage / Sud Tunisie (Projected)

EPSG	PHPCoord

Name: Sud Tunisie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - south of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_CARTHAGE_SUD_TUNISIE),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to Carthage / TM 11 NE (Projected)

EPSG	PHPCoord

Name: TM 11 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CARTHAGE_TM_11_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Carthage / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CARTHAGE_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Carthage to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-263),`
	`  yAxisTranslation: new Metre(6),`
	`  zAxisTranslation: new Metre(431)`
	`)`

Carthage (Paris)

`Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE_PARIS)`

to Carthage (Geographic2D)

EPSG	PHPCoord

Name: Carthage (Paris) to Carthage (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE),`
	`  longitudeOffset: new Grad(2.5969213)`
	`)`

Chatham Islands 1971

`Geographic2D::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1971)`

to CI1971 / Chatham Islands Map Grid (Projected)

EPSG	PHPCoord

Name: Chatham Islands Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CI1971_`
	`↪CHATHAM_ISLANDS_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(650000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: CI1971 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(175),`
	`  yAxisTranslation: new Metre(-38),`
	`  zAxisTranslation: new Metre(113)`
	`)`

Chatham Islands 1979

`Geographic2D::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1979)`

to CI1979 / Chatham Islands Map Grid (Projected)

EPSG	PHPCoord

Name: Chatham Islands Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CI1979_`
	`↪CHATHAM_ISLANDS_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(650000)`
	`)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: CI1979 to NZGD2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  xAxisTranslation: new Metre(174.05),`
	`  yAxisTranslation: new Metre(-25.49),`
	`  zAxisTranslation: new Metre(112.57),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.554),`
	`  scaleDifference: new PartsPerMillion(0.2263)`
	`)`

China Geodetic Coordinate System 2000

`Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)`

to CGCS2000 / 3-degree Gauss-Kruger CM 102E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 108E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 114E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 120E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 126E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 132E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 78E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 84E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 90E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 96E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 33 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 34 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 35 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 37 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 38 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 39 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 40 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 41 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 43 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 44 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / 3-degree Gauss-Kruger zone 45 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to CGCS2000 / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CGCS2000_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to China Geodetic Coordinate System 2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000)`
	`)`

Chos Malal 1914

`Geographic2D::fromSRID(Geographic2D::EPSG_CHOS_MALAL_1914)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Chos Malal 1914 to Campo Inchauspe (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Neuquen province Auca Mahuida area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMPO_INCHAUSPE),`
	`  xAxisTranslation: new Metre(160),`
	`  yAxisTranslation: new Metre(26),`
	`  zAxisTranslation: new Metre(41)`
	`)`

to Chos Malal 1914 / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CHOS_`
	`↪MALAL_1914_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Chos Malal 1914 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Mendoza - Cuyo basin
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(8.88),`
	`  yAxisTranslation: new Metre(184.86),`
	`  zAxisTranslation: new Metre(106.69)`
	`)`

Name: Chos Malal 1914 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Neuquen province
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(15.75),`
	`  yAxisTranslation: new Metre(164.93),`
	`  zAxisTranslation: new Metre(126.18)`
	`)`

Chua

```
Geographic2D::fromSRID(Geographic2D::EPSG_CHUA)
```

to Chua / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CHUA_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: Chua to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Distrito Federal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-144.35),`
	`  yAxisTranslation: new Metre(242.88),`
	`  zAxisTranslation: new Metre(-33.2)`
	`)`

Cocos Islands 1965

```
Geographic2D::fromSRID(Geographic2D::EPSG_COCOS_ISLANDS_1965)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Cocos Islands 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-491),`
	`  yAxisTranslation: new Metre(-22),`
	`  zAxisTranslation: new Metre(435)`
	`)`

Combani 1950

`Geographic2D::fromSRID(Geographic2D::EPSG_COMBANI_1950)`

to Combani 1950 / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪COMBANI_1950_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGM04 (Geographic2D)

EPSG	PHPCoord

Name: Combani 1950 to RGM04 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mayotte - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGM04),`
	`  xAxisTranslation: new Metre(-599.928),`
	`  yAxisTranslation: new Metre(-275.552),`
	`  zAxisTranslation: new Metre(-195.665),`
	`  xAxisRotation: new ArcSecond(-0.0835),`
	`  yAxisRotation: new ArcSecond(-0.4715),`
	`  zAxisRotation: new ArcSecond(0.0602),`
	`  scaleDifference: new PartsPerMillion(49.2814)`
	`)`

Conakry 1905

`Geographic2D::fromSRID(Geographic2D::EPSG_CONAKRY_1905)`

to Conakry 1905 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CONAKRY_1905_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Conakry 1905 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Conakry 1905 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guinea - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-23),`
	`  yAxisTranslation: new Metre(259),`
	`  zAxisTranslation: new Metre(-9)`
	`)`

Corrego Alegre 1961

`Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961)`

to Corrego Alegre 1961 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1961 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1961 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1961 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1961 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1961
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  offsetsFile: NTv2CA61SIRGAS2000BrazilProvider->provideGrid()`
	`)`

Corrego Alegre 1970-72

`Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72)`

to Corrego Alegre 1970-72 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1970-72 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1970-72 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CORREGO_ALEGRE_1970_72_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1970-72 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CORREGO_ALEGRE_1970_72_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Corrego Alegre 1970-72 / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪CORREGO_ALEGRE_1970_72_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1970-72 to SAD69 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(-138.7),`
	`  yAxisTranslation: new Metre(164.4),`
	`  zAxisTranslation: new Metre(34.4)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1970-72 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  offsetsFile:␣`
	`↪NTv2CA7072SIRGAS2000BrazilProvider->provideGrid()`
	`)`

Name: Corrego Alegre 1970-72 to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-206.05),`
	`  yAxisTranslation: new Metre(168.28),`
	`  zAxisTranslation: new Metre(-3.82)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1970-72 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-206),`
	`  yAxisTranslation: new Metre(172),`
	`  zAxisTranslation: new Metre(-6)`
	`)`

DB_REF

`Geographic2D::fromSRID(Geographic2D::EPSG_DB_REF)`

to DB_REF (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_DB_REF)`
	`)`

to DB_REF / 3-degree Gauss-Kruger zone 2 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 006°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DB_REF / 3-degree Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DB_REF / 3-degree Gauss-Kruger zone 4 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DB_REF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DB_REF / 3-degree Gauss-Kruger zone 5 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DB_REF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95

`Geographic2D::fromSRID(Geographic2D::EPSG_DGN95)`

to DGN95 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪DGN95)`
	`)`

to DGN95 / Indonesia TM-3 zone 46.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 46.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - west of 96°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_46_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 47.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 47.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 96°E to 99°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(97.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 47.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 47.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 99°E to 102°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(100.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 48.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 48.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 102°E to 105°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_`
	`↪INDONESIA_TM_3_ZONE_48_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(103.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 48.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 48.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 105°E to 108°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_`
	`↪INDONESIA_TM_3_ZONE_48_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 49.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 49.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 108°E to 111°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_`
	`↪INDONESIA_TM_3_ZONE_49_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(109.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 49.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 49.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 111°E to 114°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 50.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 50.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 114°E to 117°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 50.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 50.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 117°E to 120°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(118.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 51.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 51.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 120°E to 123°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 51.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 51.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 123°E to 126°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(124.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 52.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 52.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 126°E to 129°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 52.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 52.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 129°E to 132°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(130.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 53.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 53.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 132°E to 135°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 53.2 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 53.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 135°E to 138°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(136.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / Indonesia TM-3 zone 54.1 (Projected)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 54.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - east of 138°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_`
	`↪INDONESIA_TM_3_ZONE_54_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(139.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to DGN95 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_`
	`↪UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_`
	`↪UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 47S (Projected)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 51S (Projected)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DGN95 / UTM zone 52S (Projected)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to DGN95 / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: ID74 to DGN95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  xAxisTranslation: new Metre(1.977),`
	`  yAxisTranslation: new Metre(13.06),`
	`  zAxisTranslation: new Metre(9.993),`
	`  xAxisRotation: new ArcSecond(0.364),`
	`  yAxisRotation: new ArcSecond(0.254),`
	`  zAxisRotation: new ArcSecond(0.689),`
	`  scaleDifference: new PartsPerMillion(1.037)`
	`)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: DGN95 to SRGI2013 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  xAxisTranslation: new Metre(-0.2773),`
	`  yAxisTranslation: new Metre(0.0534),`
	`  zAxisTranslation: new Metre(0.4819),`
	`  xAxisRotation: new MicroRadian(0.0935),`
	`  yAxisRotation: new MicroRadian(-0.0286),`
	`  zAxisRotation: new MicroRadian(0.00969),`
	`  scaleDifference: new PartsPerMillion(-0.028)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: DGN95 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

DHDN

`Geographic2D::fromSRID(Geographic2D::EPSG_DHDN)`

to DHDN / 3-degree Gauss-Kruger zone 1 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 003°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_1_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 1 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 003°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 2 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 006°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_2_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 2 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 006°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 4 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_4_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 5 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_5_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / 3-degree Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DHDN / Soldner Berlin (Projected)

EPSG	PHPCoord

Name: Soldner Berlin
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Berlin
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_DHDN_SOLDNER_BERLIN),`
	`  latitudeOfNaturalOrigin: new Degree(52.418648277778),`
	`  longitudeOfNaturalOrigin: new Degree(13.627203666667),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(10000)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: DHDN to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  offsetsFile: NTv2DHDNETRS89GermanyProvider->`
	`↪provideGrid()`
	`)`

Name: DHDN to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany S
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(597.1),`
	`  yAxisTranslation: new Metre(71.4),`
	`  zAxisTranslation: new Metre(412.1),`
	`  xAxisRotation: new ArcSecond(0.894),`
	`  yAxisRotation: new ArcSecond(0.068),`
	`  zAxisRotation: new ArcSecond(-1.563),`
	`  scaleDifference: new PartsPerMillion(7.58)`
	`)`

Name: DHDN to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany C
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(584.8),`
	`  yAxisTranslation: new Metre(67),`
	`  zAxisTranslation: new Metre(400.3),`
	`  xAxisRotation: new ArcSecond(0.105),`
	`  yAxisRotation: new ArcSecond(0.013),`
	`  zAxisRotation: new ArcSecond(-2.378),`
	`  scaleDifference: new PartsPerMillion(10.29)`
	`)`

Name: DHDN to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany N
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(590.5),`
	`  yAxisTranslation: new Metre(69.5),`
	`  zAxisTranslation: new Metre(411.6),`
	`  xAxisRotation: new ArcSecond(-0.796),`
	`  yAxisRotation: new ArcSecond(-0.052),`
	`  zAxisRotation: new ArcSecond(-3.601),`
	`  scaleDifference: new PartsPerMillion(8.3)`
	`)`

Name: DHDN to ETRS89 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Saarland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  offsetsFile: NTv2DHDNETRS89SaarlandProvider->`
	`↪provideGrid()`
	`)`

DIBA15-IRF

```
Geographic2D::fromSRID(Geographic2D::EPSG_DIBA15_IRF)
```

to DIBA15 Grid (Projected)

EPSG	PHPCoord

Name: DIBA15-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Didcot to Banbury
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DIBA15_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(51.85),`
	`  longitudeOfNaturalOrigin: new Degree(-1.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(511622.854),`
	`  falseNorthing: new Metre(324737.4633)`
	`)`

DRUKREF 03

```
Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03)
```

to DRUKREF 03 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_DRUKREF_03)`
	`)`

to DRUKREF 03 / Bhutan National Grid (Projected)

EPSG	PHPCoord

Name: Bhutan National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_BHUTAN_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to DRUKREF 03 / Bumthang TM (Projected)

EPSG	PHPCoord

Name: Bumthang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Bumthang district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_BUMTHANG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Chhukha TM (Projected)

EPSG	PHPCoord

Name: Chhukha TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Chhukha district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_CHHUKHA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Dagana TM (Projected)

EPSG	PHPCoord

Name: Dagana TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Dagana district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_DAGANA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Gasa TM (Projected)

EPSG	PHPCoord

Name: Gasa TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Gasa district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_GASA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Ha TM (Projected)

EPSG	PHPCoord

Name: Ha TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Ha district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_HA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Lhuentse TM (Projected)

EPSG	PHPCoord

Name: Lhuentse TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Lhuentse district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_LHUENTSE_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.133333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Mongar TM (Projected)

EPSG	PHPCoord

Name: Mongar TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Mongar district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_MONGAR_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.233333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Paro TM (Projected)

EPSG	PHPCoord

Name: Paro TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Paro district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_PARO_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Pemagatshel TM (Projected)

EPSG	PHPCoord

Name: Pemagatshel TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Pemagatshel district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_PEMAGATSHEL_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Punakha TM (Projected)

EPSG	PHPCoord

Name: Punakha TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Punakha district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_PUNAKHA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Samdrup Jongkhar TM (Projected)

EPSG	PHPCoord

Name: Samdrup Jongkhar TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Samdrup Jongkhar district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_SAMDRUP_JONGKHAR_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.566666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Samtse TM (Projected)

EPSG	PHPCoord

Name: Samtse TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Samtse district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_SAMTSE_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Sarpang TM (Projected)

EPSG	PHPCoord

Name: Sarpang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Sarpang district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_SARPANG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.266666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Thimphu TM (Projected)

EPSG	PHPCoord

Name: Thimphu TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Thimphu district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_THIMPHU_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Trashigang TM (Projected)

EPSG	PHPCoord

Name: Trashigang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Trashigang district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_TRASHIGANG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Trongsa TM (Projected)

EPSG	PHPCoord

Name: Trongsa TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Trongsa district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_TRONGSA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Tsirang TM (Projected)

EPSG	PHPCoord

Name: Tsirang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Tsirang district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_TSIRANG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Wangdue Phodrang TM (Projected)

EPSG	PHPCoord

Name: Wangdue Phodrang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Wangdue Phodrang district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_WANGDUE_PHODRANG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Yangtse TM (Projected)

EPSG	PHPCoord

Name: Yangtse TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Yangtse district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_YANGTSE_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.566666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to DRUKREF 03 / Zhemgang TM (Projected)

EPSG	PHPCoord

Name: Zhemgang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Zhemgang district
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DRUKREF_03_ZHEMGANG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.866666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: DRUKREF 03 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Dabola 1981

`Geographic2D::fromSRID(Geographic2D::EPSG_DABOLA_1981)`

to Dabola 1981 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DABOLA_`
	`↪1981_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Dabola 1981 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DABOLA_`
	`↪1981_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Dabola 1981 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guinea - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-83),`
	`  yAxisTranslation: new Metre(37),`
	`  zAxisTranslation: new Metre(124)`
	`)`

Datum 73

`Geographic2D::fromSRID(Geographic2D::EPSG_DATUM_73)`

to Datum 73 / Modified Portuguese Grid (Projected)

EPSG	PHPCoord

Name: Modified Portuguese Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DATUM_`
	`↪73_MODIFIED_PORTUGUESE_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(39.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-8.`
	`↪1319061111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(180.598),`
	`  falseNorthing: new Metre(-86.99)`
	`)`

to Datum 73 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DATUM_`
	`↪73_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Datum 73 to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-230.994),`
	`  yAxisTranslation: new Metre(102.591),`
	`  zAxisTranslation: new Metre(25.199),`
	`  xAxisRotation: new ArcSecond(0.633),`
	`  yAxisRotation: new ArcSecond(-0.239),`
	`  zAxisRotation: new ArcSecond(0.9),`
	`  scaleDifference: new PartsPerMillion(1.95)`
	`)`

Name: Datum 73 to ETRS89 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  offsetsFile: NTv273ETRS89PortugalProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Datum 73 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-239.749),`
	`  yAxisTranslation: new Metre(88.181),`
	`  zAxisTranslation: new Metre(30.488),`
	`  xAxisRotation: new ArcSecond(-0.263),`
	`  yAxisRotation: new ArcSecond(-0.082),`
	`  zAxisRotation: new ArcSecond(-1.211),`
	`  scaleDifference: new PartsPerMillion(2.229)`
	`)`

Dealul Piscului 1930

`Geographic2D::fromSRID(Geographic2D::EPSG_DEALUL_PISCULUI_1930)`

to Dealul Piscului 1930 / Stereo 33 (Projected)

EPSG	PHPCoord

Name: Stereo 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_DEALUL_PISCULUI_1930_STEREO_33),`
	`  latitudeOfNaturalOrigin: new Degree(45.9),`
	`  longitudeOfNaturalOrigin: new Degree(25.392465888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Dealul Piscului 1930 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(103.25),`
	`  yAxisTranslation: new Metre(-100.4),`
	`  zAxisTranslation: new Metre(-307.19)`
	`)`

Deception Island

`Geographic2D::fromSRID(Geographic2D::EPSG_DECEPTION_ISLAND)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Deception Island to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Deception Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(260),`
	`  yAxisTranslation: new Metre(12),`
	`  zAxisTranslation: new Metre(-147)`
	`)`

Deir ez Zor

`Geographic2D::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR)`

to Deir ez Zor / Levant Stereographic (Projected)

EPSG	PHPCoord

Name: Levant Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Lebanon and Syria onshore
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Grad(38),`
	`  longitudeOfNaturalOrigin: new Grad(43.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995341),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Deir ez Zor / Levant Zone (Projected)

EPSG	PHPCoord

Name: Levant Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Lebanon and Syria onshore
	`$point->lambertConicNearConformal(`
	`  to: Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(34.65),`
	`  longitudeOfNaturalOrigin: new Degree(37.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996256),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to Deir ez Zor / Syria Lambert (Projected)

EPSG	PHPCoord

Name: Syria Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Lebanon and Syria onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_SYRIA_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(34.65),`
	`  longitudeOfNaturalOrigin: new Degree(37.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996256),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Deir ez Zor to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - Deir area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(-174.6),`
	`  yAxisTranslation: new Metre(-3.1),`
	`  zAxisTranslation: new Metre(236.2)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Deir ez Zor to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-190.421),`
	`  yAxisTranslation: new Metre(8.532),`
	`  zAxisTranslation: new Metre(238.69)`
	`)`

Name: Deir ez Zor to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - Deir area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-83.58),`
	`  yAxisTranslation: new Metre(-397.54),`
	`  zAxisTranslation: new Metre(458.78),`
	`  xAxisRotation: new ArcSecond(-17.595),`
	`  yAxisRotation: new ArcSecond(-2.847),`
	`  zAxisRotation: new ArcSecond(4.256),`
	`  scaleDifference: new PartsPerMillion(3.225)`
	`)`

Name: Deir ez Zor to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - Shaddadeh area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-191.77),`
	`  yAxisTranslation: new Metre(15.01),`
	`  zAxisTranslation: new Metre(235.07)`
	`)`

Diego Garcia 1969

`Geographic2D::fromSRID(Geographic2D::EPSG_DIEGO_GARCIA_1969)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Diego Garcia 1969 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: British Indian Ocean Territory - Diego Garcia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(208),`
	`  yAxisTranslation: new Metre(-435),`
	`  zAxisTranslation: new Metre(-229)`
	`)`

DoPw22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_DOPW22_IRF)`

to DoPw22 Grid (Projected)

EPSG	PHPCoord

Name: DoPw22-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Dovey Junction to Pwllheli
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DOPW22_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.7),`
	`  longitudeOfNaturalOrigin: new Degree(-4.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64859.6557),`
	`  falseNorthing: new Metre(122266.5277)`
	`)`

Dominica 1945

`Geographic2D::fromSRID(Geographic2D::EPSG_DOMINICA_1945)`

to Dominica 1945 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DOMINICA_1945_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Dominica 1945 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Dominica - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(725),`
	`  yAxisTranslation: new Metre(685),`
	`  zAxisTranslation: new Metre(536)`
	`)`

Douala 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_DOUALA_1948)`

to Douala 1948 / AEF west (Projected)

EPSG	PHPCoord

Name: French Equatorial Africa west zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - AEF 9°E to 14°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_DOUALA_1948_AEF_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Douala 1948 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-206.1),`
	`  yAxisTranslation: new Metre(-174.7),`
	`  zAxisTranslation: new Metre(-87.7)`
	`)`

EBBWV14-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_EBBWV14_IRF)`

to EBBWV14 Grid (Projected)

EPSG	PHPCoord

Name: EBBWV14-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Newport to Ebbw Vale
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪EBBWV14_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(51.75),`
	`  longitudeOfNaturalOrigin: new Degree(-3.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(106702.326),`
	`  falseNorthing: new Metre(119968.1395)`
	`)`

ECML14_NB-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_ECML14_NB_IRF)`

to ECML14_NB Grid (Projected)

EPSG	PHPCoord

Name: ECML14_NB-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Newcastle to Ashington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ECML14_NB_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(55.05),`
	`  longitudeOfNaturalOrigin: new Degree(-1.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(112242.8512),`
	`  falseNorthing: new Metre(402313.7432)`
	`)`

ED50

`Geographic2D::fromSRID(Geographic2D::EPSG_ED50)`

to ED50 / 3-degree Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / 3-degree Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / 3-degree Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / 3-degree Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / 3-degree Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / 3-degree Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / 3-degree Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_3_`
	`↪DEGREE_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / Iraq National Grid (Projected)

EPSG	PHPCoord

Name: Iraq National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_IRAQ_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(29.026268333333),`
	`  longitudeOfNaturalOrigin: new Degree(46.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9994),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / Jordan TM (Projected)

EPSG	PHPCoord

Name: Jordan Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jordan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_JORDAN_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(37),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-3000000)`
	`)`

to ED50 / SPBA LCC (Projected)

EPSG	PHPCoord

Name: Southern Permian Basin Atlas Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - South Permian basin
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_SPBA_LCC),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(52.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(54.333333333333),`
	`  eastingAtFalseOrigin: new Metre(815000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to ED50 / TM 0 N (Projected)

EPSG	PHPCoord

Name: TM 0 N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - offshore - North Sea
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_TM_0_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM 5 NE (Projected)

EPSG	PHPCoord

Name: TM 5 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_TM_5_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM 6 NE (Projected)

EPSG	PHPCoord

Name: TM 6 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3°E to 9°E - by country
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_TM_6_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM27 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_TM27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_TM30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM33 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_`
	`↪TM33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_`
	`↪TM36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM39 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_`
	`↪TM39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_`
	`↪TM42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / TM45 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_`
	`↪TM45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_`
	`↪UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED87 (Geographic2D)

EPSG	PHPCoord

Name: ED50 to ED87 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - offshore north of 65°N; Svalbard
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED87),`
	`  xAxisTranslation: new Metre(-1.51),`
	`  yAxisTranslation: new Metre(-0.84),`
	`  zAxisTranslation: new Metre(-3.5),`
	`  xAxisRotation: new MicroRadian(-1.893),`
	`  yAxisRotation: new MicroRadian(-0.687),`
	`  zAxisRotation: new MicroRadian(-2.764),`
	`  scaleDifference: new PartsPerMillion(0.609)`
	`)`

Name: ED50 to ED87 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - North Sea
	`$point->reversiblePolynomial(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED87),`
	`  ordinate1OfEvaluationPoint: new Degree(55),`
	`  ordinate2OfEvaluationPoint: new Degree(0),`
	`  scalingFactorForCoordDifferences: new Unity(1),`
	`  A0: new Coefficient(-5.56098E-6),`
	`  Au1v0: new Coefficient(-1.55391E-6),`
	`  Au0v1: new Coefficient(-4.0262E-7),`
	`  Au2v0: new Coefficient(-5.09693E-7),`
	`  Au1v1: new Coefficient(-8.19775E-7),`
	`  Au0v2: new Coefficient(-2.47592E-7),`
	`  Au3v0: new Coefficient(1.36682E-7),`
	`  Au2v1: new Coefficient(1.86198E-7),`
	`  Au1v2: new Coefficient(1.2335E-7),`
	`  Au0v3: new Coefficient(5.68797E-8),`
	`  Au4v0: new Coefficient(-2.32217E-9),`
	`  Au3v1: new Coefficient(-7.69931E-9),`
	`  Au2v2: new Coefficient(-7.86953E-9),`
	`  Au1v3: new Coefficient(-6.12216E-9),`
	`  Au0v4: new Coefficient(-4.01382E-9),`
	`  B0: new Coefficient(1.48944E-5),`
	`  Bu1v0: new Coefficient(2.68191E-6),`
	`  Bu0v1: new Coefficient(2.4529E-6),`
	`  Bu2v0: new Coefficient(2.944E-7),`
	`  Bu1v1: new Coefficient(1.5226E-6),`
	`  Bu0v2: new Coefficient(9.10592E-7),`
	`  Bu3v0: new Coefficient(-3.68241E-7),`
	`  Bu2v1: new Coefficient(-8.51732E-7),`
	`  Bu1v2: new Coefficient(-5.66713E-7),`
	`  Bu0v3: new Coefficient(-1.85188E-7),`
	`  Bu4v0: new Coefficient(2.84312E-8),`
	`  Bu3v1: new Coefficient(6.84853E-8),`
	`  Bu2v2: new Coefficient(5.00828E-8),`
	`  Bu1v3: new Coefficient(4.15937E-8),`
	`  Bu0v4: new Coefficient(7.62236E-9)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ED50 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - offshore north of 65°N; Svalbard
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-116.641),`
	`  yAxisTranslation: new Metre(-56.931),`
	`  zAxisTranslation: new Metre(-110.559),`
	`  xAxisRotation: new MicroRadian(4.327),`
	`  yAxisRotation: new MicroRadian(4.464),`
	`  zAxisRotation: new MicroRadian(-4.444),`
	`  scaleDifference: new PartsPerMillion(-3.52)`
	`)`

Name: ED50 to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-81.1),`
	`  yAxisTranslation: new Metre(-89.4),`
	`  zAxisTranslation: new Metre(-115.8),`
	`  xAxisRotation: new ArcSecond(0.485),`
	`  yAxisRotation: new ArcSecond(0.024),`
	`  zAxisRotation: new ArcSecond(0.413),`
	`  scaleDifference: new PartsPerMillion(-0.54)`
	`)`

Name: ED50 to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gibraltar
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-116.8),`
	`  yAxisTranslation: new Metre(-106.4),`
	`  zAxisTranslation: new Metre(-154.4)`
	`)`

Name: ED50 to ETRS89 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-181.5),`
	`  yAxisTranslation: new Metre(-90.3),`
	`  zAxisTranslation: new Metre(-187.2),`
	`  xAxisRotation: new ArcSecond(0.144),`
	`  yAxisRotation: new ArcSecond(0.492),`
	`  zAxisRotation: new ArcSecond(-0.394),`
	`  scaleDifference: new PartsPerMillion(17.57)`
	`)`

Name: ED50 to ETRS89 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland except northwest
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-131),`
	`  yAxisTranslation: new Metre(-100.3),`
	`  zAxisTranslation: new Metre(-163.4),`
	`  xAxisRotation: new ArcSecond(-1.244),`

to FD54 (Geographic2D)

EPSG	PHPCoord

Name: FD54 to ED50 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FD54),`
	`  xAxisTranslation: new Metre(153.33),`
	`  yAxisTranslation: new Metre(169.41),`
	`  zAxisTranslation: new Metre(-86.39)`
	`)`

to NTF (Geographic2D)

EPSG	PHPCoord

Name: NTF to ED50 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NTF),`
	`  xAxisTranslation: new Metre(84),`
	`  yAxisTranslation: new Metre(-37),`
	`  zAxisTranslation: new Metre(-437)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ED50 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Western Desert
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-130),`
	`  yAxisTranslation: new Metre(-117),`
	`  zAxisTranslation: new Metre(-151)`
	`)`

Name: ED50 to WGS 84 (16)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-112),`
	`  yAxisTranslation: new Metre(-77),`
	`  zAxisTranslation: new Metre(-145)`
	`)`

Name: ED50 to WGS 84 (31)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Western Desert
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-84),`
	`  yAxisTranslation: new Metre(-103),`
	`  zAxisTranslation: new Metre(-122.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.554),`
	`  scaleDifference: new PartsPerMillion(0.2263)`
	`)`

Name: ED50 to WGS 84 (37)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jordan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-112),`
	`  yAxisTranslation: new Metre(-110.3),`
	`  zAxisTranslation: new Metre(-140.2)`
	`)`

Name: ED50 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq; Israel; Jordan; Lebanon; Kuwait; Saudi Arabia; Syria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-103),`
	`  yAxisTranslation: new Metre(-106),`
	`  zAxisTranslation: new Metre(-141)`
	`)`

Name: ED50 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - west (DMA ED50 mean)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-87),`
	`  yAxisTranslation: new Metre(-98),`
	`  zAxisTranslation: new Metre(-121)`

ED50(ED77)

`Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77)`

to ED50(ED77) / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50(ED77) / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50(ED77) / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ED50(ED77) / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ED50(ED77) to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-117),`
	`  yAxisTranslation: new Metre(-132),`
	`  zAxisTranslation: new Metre(-164)`
	`)`

Name: ED50(ED77) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-110.33),`
	`  yAxisTranslation: new Metre(-97.73),`
	`  zAxisTranslation: new Metre(-119.85),`
	`  xAxisRotation: new ArcSecond(0.3423),`
	`  yAxisRotation: new ArcSecond(1.1634),`
	`  zAxisRotation: new ArcSecond(0.2715),`
	`  scaleDifference: new PartsPerMillion(0.063)`
	`)`

Name: ED50(ED77) to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - South Pars block 11
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-123.02),`
	`  yAxisTranslation: new Metre(-158.95),`
	`  zAxisTranslation: new Metre(-168.47)`
	`)`

Name: ED50(ED77) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - South Pars blocks 2 and 3
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-122.89),`
	`  yAxisTranslation: new Metre(-159.08),`
	`  zAxisTranslation: new Metre(-168.74)`
	`)`

Name: ED50(ED77) to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Lavan Island and Balal field
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-84.78),`
	`  yAxisTranslation: new Metre(-107.55),`
	`  zAxisTranslation: new Metre(-137.25)`
	`)`

Name: ED50(ED77) to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Kharg Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-123.92),`
	`  yAxisTranslation: new Metre(-155.515),`
	`  zAxisTranslation: new Metre(-157.721)`

ED79

`Geographic2D::fromSRID(Geographic2D::EPSG_ED79)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ED79 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - west
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-86),`
	`  yAxisTranslation: new Metre(-98),`
	`  zAxisTranslation: new Metre(-119)`
	`)`

ED87

`Geographic2D::fromSRID(Geographic2D::EPSG_ED87)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: ED50 to ED87 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - offshore north of 65°N; Svalbard
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(1.51),`
	`  yAxisTranslation: new Metre(0.84),`
	`  zAxisTranslation: new Metre(3.5),`
	`  xAxisRotation: new MicroRadian(1.893),`
	`  yAxisRotation: new MicroRadian(0.687),`
	`  zAxisRotation: new MicroRadian(2.764),`
	`  scaleDifference: new PartsPerMillion(-0.609)`
	`)`

Name: ED50 to ED87 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - North Sea
	`$point->reversiblePolynomial(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  ordinate1OfEvaluationPoint: new Degree(55),`
	`  ordinate2OfEvaluationPoint: new Degree(0),`
	`  scalingFactorForCoordDifferences: new Unity(1),`
	`  A0: new Coefficient(5.56098E-6),`
	`  Au1v0: new Coefficient(1.55391E-6),`
	`  Au0v1: new Coefficient(4.0262E-7),`
	`  Au2v0: new Coefficient(5.09693E-7),`
	`  Au1v1: new Coefficient(8.19775E-7),`
	`  Au0v2: new Coefficient(2.47592E-7),`
	`  Au3v0: new Coefficient(-1.36682E-7),`
	`  Au2v1: new Coefficient(-1.86198E-7),`
	`  Au1v2: new Coefficient(-1.2335E-7),`
	`  Au0v3: new Coefficient(-5.68797E-8),`
	`  Au4v0: new Coefficient(2.32217E-9),`
	`  Au3v1: new Coefficient(7.69931E-9),`
	`  Au2v2: new Coefficient(7.86953E-9),`
	`  Au1v3: new Coefficient(6.12216E-9),`
	`  Au0v4: new Coefficient(4.01382E-9),`
	`  B0: new Coefficient(-1.48944E-5),`
	`  Bu1v0: new Coefficient(-2.68191E-6),`
	`  Bu0v1: new Coefficient(-2.4529E-6),`
	`  Bu2v0: new Coefficient(-2.944E-7),`
	`  Bu1v1: new Coefficient(-1.5226E-6),`
	`  Bu0v2: new Coefficient(-9.10592E-7),`
	`  Bu3v0: new Coefficient(3.68241E-7),`
	`  Bu2v1: new Coefficient(8.51732E-7),`
	`  Bu1v2: new Coefficient(5.66713E-7),`
	`  Bu0v3: new Coefficient(1.85188E-7),`
	`  Bu4v0: new Coefficient(-2.84312E-8),`
	`  Bu3v1: new Coefficient(-6.84853E-8),`
	`  Bu2v2: new Coefficient(-5.00828E-8),`
	`  Bu1v3: new Coefficient(-4.15937E-8),`
	`  Bu0v4: new Coefficient(-7.62236E-9)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ED87 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - west
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-83.11),`
	`  yAxisTranslation: new Metre(-97.38),`
	`  zAxisTranslation: new Metre(-117.22),`
	`  xAxisRotation: new MicroRadian(0.0276),`
	`  yAxisRotation: new MicroRadian(-0.2167),`
	`  zAxisRotation: new MicroRadian(0.2147),`
	`  scaleDifference: new PartsPerMillion(0.1218)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ED87 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - North Sea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-82.981),`
	`  yAxisTranslation: new Metre(-99.719),`
	`  zAxisTranslation: new Metre(-110.709),`
	`  xAxisRotation: new MicroRadian(-0.5076),`
	`  yAxisRotation: new MicroRadian(0.1503),`
	`  zAxisRotation: new MicroRadian(0.3898),`
	`  scaleDifference: new PartsPerMillion(-0.3143)`
	`)`

ELD79

```
Geographic2D::fromSRID(Geographic2D::EPSG_ELD79)
```

to ELD79 / Libya zone 10 (Projected)

EPSG	PHPCoord

Name: Libya zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 18°E to 20°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 11 (Projected)

EPSG	PHPCoord

Name: Libya zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 20°E to 22°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 12 (Projected)

EPSG	PHPCoord

Name: Libya zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 22°E to 24°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 13 (Projected)

EPSG	PHPCoord

Name: Libya zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - east of 24°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 5 (Projected)

EPSG	PHPCoord

Name: Libya zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - west of 10°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 6 (Projected)

EPSG	PHPCoord

Name: Libya zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 10°E to 12°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 7 (Projected)

EPSG	PHPCoord

Name: Libya zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 12°E to 14°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 8 (Projected)

EPSG	PHPCoord

Name: Libya zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 14°E to 16°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / Libya zone 9 (Projected)

EPSG	PHPCoord

Name: Libya zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 16°E to 18°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / TM 12 NE (Projected)

EPSG	PHPCoord

Name: TM 12 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - west of 15°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_TM_12_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ELD79 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: ELD79 to LGD2006 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  xAxisTranslation: new Metre(92.5515),`
	`  yAxisTranslation: new Metre(10.8194),`
	`  zAxisTranslation: new Metre(-149.8852)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ELD79 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Amal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-118.996),`
	`  yAxisTranslation: new Metre(-111.177),`
	`  zAxisTranslation: new Metre(-198.687)`
	`)`

Name: ELD79 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Sirte NC192
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-114.7),`
	`  yAxisTranslation: new Metre(-98.5),`
	`  zAxisTranslation: new Metre(-150.7)`
	`)`

Name: ELD79 to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-115.8543),`
	`  yAxisTranslation: new Metre(-99.0583),`
	`  zAxisTranslation: new Metre(-152.4616)`
	`)`

Name: ELD79 to WGS 84 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Cyrenaica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-117.7),`
	`  yAxisTranslation: new Metre(-100.3),`
	`  zAxisTranslation: new Metre(-152.4)`
	`)`

Name: ELD79 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Murzuq and En Naga
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-113.997),`
	`  yAxisTranslation: new Metre(-97.076),`
	`  zAxisTranslation: new Metre(-152.312)`
	`)`

Name: ELD79 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Mabruk
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-194.513),`
	`  yAxisTranslation: new Metre(-63.978),`
	`  zAxisTranslation: new Metre(-25.759),`
	`  xAxisRotation: new ArcSecond(-3.4027),`
	`  yAxisRotation: new ArcSecond(3.756),`
	`  zAxisRotation: new ArcSecond(-3.352),`
	`  scaleDifference: new PartsPerMillion(-0.9175)`

EOS21-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_EOS21_IRF)`

to EOS21 Grid (Projected)

EPSG	PHPCoord

Name: EOS21-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Tweedmouth to Aberdeen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EOS21_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(56.35),`
	`  longitudeOfNaturalOrigin: new Degree(-2.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(74996.927),`
	`  falseNorthing: new Metre(133508.35)`
	`)`

EST92

`Geographic2D::fromSRID(Geographic2D::EPSG_EST92)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EST92 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to Estonian Coordinate System of 1992 (Projected)

EPSG	PHPCoord

Name: Estonian National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1992),`
	`  latitudeOfFalseOrigin: new Degree(57.517553930556),`
	`  longitudeOfFalseOrigin: new Degree(24),`
	`  latitudeOf1stStandardParallel: new Degree(59.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(58),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(6375000)`
	`)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to EST92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-21.53219),`
	`  yAxisTranslation: new Metre(97.00027),`
	`  zAxisTranslation: new Metre(60.74046),`
	`  xAxisRotation: new ArcSecond(0.99548),`
	`  yAxisRotation: new ArcSecond(0.58147),`
	`  zAxisRotation: new ArcSecond(0.2418),`
	`  scaleDifference: new PartsPerMillion(4.5981)`
	`)`

EST97

`Geographic2D::fromSRID(Geographic2D::EPSG_EST97)`

to EST97 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_EST97)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EST97 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to Estonian Coordinate System of 1997 (Projected)

EPSG	PHPCoord

Name: Estonian National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1997),`
	`  latitudeOfFalseOrigin: new Degree(57.517553930556),`
	`  longitudeOfFalseOrigin: new Degree(24),`
	`  latitudeOf1stStandardParallel: new Degree(59.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(58),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(6375000)`
	`)`

ETRF2000

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000)`

to ETRF2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000)`
	`)`

ETRF2000-PL

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL)`

to ETRF2000-PL (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000_PL)`
	`)`

to ETRF2000-PL / CS2000/15 (Projected)

EPSG	PHPCoord

Name: Poland CS2000 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - west of 16.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRF2000-PL / CS2000/18 (Projected)

EPSG	PHPCoord

Name: Poland CS2000 zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - 16.5°E to 19.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRF2000-PL / CS2000/21 (Projected)

EPSG	PHPCoord

Name: Poland CS2000 zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - 19.5°E to 22.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRF2000-PL / CS2000/24 (Projected)

EPSG	PHPCoord

Name: Poland CS2000 zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - east of 22.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRF2000-PL / CS92 (Projected)

EPSG	PHPCoord

Name: Poland CS92
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9993),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-5300000)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRF2000-PL to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

ETRF2005

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2005)`

to ETRF2005 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2005)`
	`)`

ETRF2014

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2014)`

to ETRF2014 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2014)`
	`)`

ETRF2020

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2020)`

to ETRF2020 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2020)`
	`)`

ETRF89

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF89)`

to ETRF89 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF89)`
	`)`

ETRF90

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF90)`

to ETRF90 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF90)`
	`)`

ETRF91

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF91)`

to ETRF91 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF91)`
	`)`

ETRF92

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF92)`

to ETRF92 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF92)`
	`)`

ETRF93

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF93)`

to ETRF93 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF93)`
	`)`

ETRF94

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF94)`

to ETRF94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF94)`
	`)`

ETRF96

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF96)`

to ETRF96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF96)`
	`)`

ETRF97

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRF97)`

to ETRF97 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF97)`
	`)`

ETRS89

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89)`

to Albanian 1987 (Geographic2D)

EPSG	PHPCoord

Name: Albanian 1987 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ALBANIAN_1987),`
	`  xAxisTranslation: new Metre(44.183),`
	`  yAxisTranslation: new Metre(0.58),`
	`  zAxisTranslation: new Metre(38.489),`
	`  xAxisRotation: new ArcSecond(2.3867),`
	`  yAxisRotation: new ArcSecond(2.7072),`
	`  zAxisRotation: new ArcSecond(-3.5196),`
	`  scaleDifference: new PartsPerMillion(8.2703)`
	`)`

to Amersfoort (Geographic2D)

EPSG	PHPCoord

Name: Amersfoort to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMERSFOORT),`
	`  xAxisTranslation: new Metre(-565.7381),`
	`  yAxisTranslation: new Metre(-50.4018),`
	`  zAxisTranslation: new Metre(-465.2904),`
	`  xAxisRotation: new MicroRadian(-1.91514),`
	`  yAxisRotation: new MicroRadian(1.60363),`
	`  zAxisRotation: new MicroRadian(-9.09546),`
	`  scaleDifference: new PartsPerMillion(-4.07244)`
	`)`

Name: Amersfoort to ETRS89 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMERSFOORT),`
	`  offsetsFile: NTv2RDETRS89NetherlandsProvider->`
	`↪provideGrid()`
	`)`

to BD72 (Geographic2D)

EPSG	PHPCoord

Name: BD72 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BD72),`
	`  xAxisTranslation: new Metre(106.8686),`
	`  yAxisTranslation: new Metre(-52.2978),`
	`  zAxisTranslation: new Metre(103.7239),`
	`  xAxisRotation: new ArcSecond(0.3366),`
	`  yAxisRotation: new ArcSecond(-0.457),`
	`  zAxisRotation: new ArcSecond(1.8422),`
	`  scaleDifference: new PartsPerMillion(1.2747)`
	`)`

Name: BD72 to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BD72),`
	`  offsetsFile: NTv2BD79ETRS89BelgiumProvider->`
	`↪provideGrid()`
	`)`

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: BGS2005 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BGS2005),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to BH_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: BH_ETRS89 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bosnia and Herzegovina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BH_ETRS89),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to CGRS93 (Geographic2D)

EPSG	PHPCoord

Name: CGRS93 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cyprus - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CGRS93),`
	`  xAxisTranslation: new Metre(-8.846),`
	`  yAxisTranslation: new Metre(4.394),`
	`  zAxisTranslation: new Metre(1.122),`
	`  xAxisRotation: new ArcSecond(-0.00237),`
	`  yAxisRotation: new ArcSecond(-0.146528),`
	`  zAxisRotation: new ArcSecond(0.130428),`
	`  scaleDifference: new PartsPerMillion(-0.783926)`
	`)`

to CH1903 (Geographic2D)

EPSG	PHPCoord

Name: CH1903 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CH1903),`
	`  offsetsFile: NTv2LV03ETRS89SwitzerlandProvider-`
	`↪>provideGrid()`
	`)`

to CH1903+ (Geographic2D)

EPSG	PHPCoord

Name: CH1903+ to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CH1903_PLUS),`
	`  xAxisTranslation: new Metre(-674.374),`
	`  yAxisTranslation: new Metre(-15.056),`
	`  zAxisTranslation: new Metre(-405.346)`
	`)`

to CHTRS95 (Geographic2D)

EPSG	PHPCoord

Name: CHTRS95 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHTRS95),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: DHDN to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DHDN),`
	`  offsetsFile: NTv2DHDNETRS89GermanyProvider->`
	`↪provideGrid()`
	`)`

Name: DHDN to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany S
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DHDN),`
	`  xAxisTranslation: new Metre(-597.1),`
	`  yAxisTranslation: new Metre(-71.4),`
	`  zAxisTranslation: new Metre(-412.1),`
	`  xAxisRotation: new ArcSecond(-0.894),`
	`  yAxisRotation: new ArcSecond(-0.068),`
	`  zAxisRotation: new ArcSecond(1.563),`
	`  scaleDifference: new PartsPerMillion(-7.58)`
	`)`

Name: DHDN to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany C
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DHDN),`
	`  xAxisTranslation: new Metre(-584.8),`
	`  yAxisTranslation: new Metre(-67),`
	`  zAxisTranslation: new Metre(-400.3),`
	`  xAxisRotation: new ArcSecond(-0.105),`
	`  yAxisRotation: new ArcSecond(-0.013),`
	`  zAxisRotation: new ArcSecond(2.378),`
	`  scaleDifference: new PartsPerMillion(-10.29)`
	`)`

Name: DHDN to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany N
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DHDN),`
	`  xAxisTranslation: new Metre(-590.5),`
	`  yAxisTranslation: new Metre(-69.5),`
	`  zAxisTranslation: new Metre(-411.6),`
	`  xAxisRotation: new ArcSecond(0.796),`
	`  yAxisRotation: new ArcSecond(0.052),`
	`  zAxisRotation: new ArcSecond(3.601),`
	`  scaleDifference: new PartsPerMillion(-8.3)`
	`)`

Name: DHDN to ETRS89 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Saarland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DHDN),`
	`  offsetsFile: NTv2DHDNETRS89SaarlandProvider->`
	`↪provideGrid()`
	`)`

to Datum 73 (Geographic2D)

EPSG	PHPCoord

Name: Datum 73 to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DATUM_73),`
	`  xAxisTranslation: new Metre(230.994),`
	`  yAxisTranslation: new Metre(-102.591),`
	`  zAxisTranslation: new Metre(-25.199),`
	`  xAxisRotation: new ArcSecond(-0.633),`
	`  yAxisRotation: new ArcSecond(0.239),`
	`  zAxisRotation: new ArcSecond(-0.9),`
	`  scaleDifference: new PartsPerMillion(-1.95)`
	`)`

Name: Datum 73 to ETRS89 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DATUM_73),`
	`  offsetsFile: NTv273ETRS89PortugalProvider->provideGrid()`
	`)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: ED50 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - offshore north of 65°N; Svalbard
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(116.641),`
	`  yAxisTranslation: new Metre(56.931),`
	`  zAxisTranslation: new Metre(110.559),`
	`  xAxisRotation: new MicroRadian(-4.327),`
	`  yAxisRotation: new MicroRadian(-4.464),`
	`  zAxisRotation: new MicroRadian(4.444),`
	`  scaleDifference: new PartsPerMillion(3.52)`
	`)`

Name: ED50 to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(81.1),`
	`  yAxisTranslation: new Metre(89.4),`
	`  zAxisTranslation: new Metre(115.8),`
	`  xAxisRotation: new ArcSecond(-0.485),`
	`  yAxisRotation: new ArcSecond(-0.024),`
	`  zAxisRotation: new ArcSecond(-0.413),`
	`  scaleDifference: new PartsPerMillion(0.54)`
	`)`

Name: ED50 to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gibraltar
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(116.8),`
	`  yAxisTranslation: new Metre(106.4),`
	`  zAxisTranslation: new Metre(154.4)`
	`)`

Name: ED50 to ETRS89 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(181.5),`
	`  yAxisTranslation: new Metre(90.3),`
	`  zAxisTranslation: new Metre(187.2),`
	`  xAxisRotation: new ArcSecond(-0.144),`
	`  yAxisRotation: new ArcSecond(-0.492),`
	`  zAxisRotation: new ArcSecond(0.394),`
	`  scaleDifference: new PartsPerMillion(-17.57)`
	`)`

Name: ED50 to ETRS89 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland except northwest
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(131),`
	`  yAxisTranslation: new Metre(100.3),`
	`  zAxisTranslation: new Metre(163.4),`
	`  xAxisRotation: new ArcSecond(1.244),`

to ED87 (Geographic2D)

EPSG	PHPCoord

Name: ED87 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - west
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED87),`
	`  xAxisTranslation: new Metre(83.11),`
	`  yAxisTranslation: new Metre(97.38),`
	`  zAxisTranslation: new Metre(117.22),`
	`  xAxisRotation: new MicroRadian(-0.0276),`
	`  yAxisRotation: new MicroRadian(0.2167),`
	`  zAxisRotation: new MicroRadian(-0.2147),`
	`  scaleDifference: new PartsPerMillion(-0.1218)`
	`)`

to EST92 (Geographic2D)

EPSG	PHPCoord

Name: EST92 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EST92),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to EST97 (Geographic2D)

EPSG	PHPCoord

Name: EST97 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EST97),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ETRS89 to ETRF2000 (geog2D to geocen)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->geographicGeocentric(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ETRF2000)`
	`)`

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: ETRF2000-PL to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF2000_PL),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRS89)`
	`)`

to ETRS89 / Albania LCC 2010 (Projected)

EPSG	PHPCoord

Name: Albania LCC 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ALBANIA_LCC_2010),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(20),`
	`  latitudeOf1stStandardParallel: new Degree(39),`
	`  latitudeOf2ndStandardParallel: new Degree(43),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to ETRS89 / Albania TM 2010 (Projected)

EPSG	PHPCoord

Name: Albania TM 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ALBANIA_TM_2010),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / Austria Lambert (Projected)

EPSG	PHPCoord

Name: Austria Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪AUSTRIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(47.5),`
	`  longitudeOfFalseOrigin: new Degree(13.`
	`↪333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to ETRS89 / Belgian Lambert 2005 (Projected)

EPSG	PHPCoord

Name: Belgian Lambert 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2005),`
	`  latitudeOfFalseOrigin: new Degree(50.797815),`
	`  longitudeOfFalseOrigin: new Degree(4.3592158333333),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(150328),`
	`  northingAtFalseOrigin: new Metre(166262)`
	`)`

to ETRS89 / Belgian Lambert 2008 (Projected)

EPSG	PHPCoord

Name: Belgian Lambert 2008
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2008),`
	`  latitudeOfFalseOrigin: new Degree(50.797815),`
	`  longitudeOfFalseOrigin: new Degree(4.3592158333333),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(649328),`
	`  northingAtFalseOrigin: new Metre(665262)`
	`)`

to ETRS89 / DKTM1 (Projected)

EPSG	PHPCoord

Name: DKTM1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland west of 10°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DKTM1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to ETRS89 / DKTM2 (Projected)

EPSG	PHPCoord

Name: DKTM2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland east of 9°E and Funen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DKTM2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to ETRS89 / DKTM3 (Projected)

EPSG	PHPCoord

Name: DKTM3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DKTM3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to ETRS89 / DKTM4 (Projected)

EPSG	PHPCoord

Name: DKTM4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DKTM4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to ETRS89 / EPSG Arctic zone 2-22 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 4°W to 36°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_2_22),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(16),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to ETRS89 / EPSG Arctic zone 3-11 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 4°W to 38°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_3_11),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(21),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(11500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to ETRS89 / EPSG Arctic zone 4-26 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 2°W to 22°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_26),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(26500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to ETRS89 / EPSG Arctic zone 4-28 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 22°E to 46°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪EPSG_ARCTIC_ZONE_4_28),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(34),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(28500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to ETRS89 / EPSG Arctic zone 5-11 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 4°E to 24°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪EPSG_ARCTIC_ZONE_5_11),`
	`  latitudeOfFalseOrigin: new Degree(72.`
	`↪025009194444),`
	`  longitudeOfFalseOrigin: new Degree(14),`
	`  latitudeOf1stStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(11500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to ETRS89 / EPSG Arctic zone 5-13 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 24°E to 44°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_13),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(34),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(13500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to ETRS89 / EPSG Arctic zone 5-47 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 15°W to 5°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_47),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-5),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(47500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to ETRS89 / ETRS-GK19FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - west of 19.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK19FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK20FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 19.5°E to 20.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK20FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK21FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 20.5°E to 21.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK21FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK22FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 21.5°E to 22.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK22FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK23FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 22.5°E to 23.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK23FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK24FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 23.5°E to 24.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK24FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK25FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 24.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK25FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK26FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 25.5°E to 26.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK26FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK27FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 26.5°E to 27.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK27FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK28FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 27.5°E to 28.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK28FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK29FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 28.5°E to 29.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK29FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK30FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 29.5°E to 30.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪ETRS_GK30FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / ETRS-GK31FIN (Projected)

EPSG	PHPCoord

Name: Finland ETRS-GK31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - east of 30.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK31FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / Faroe Lambert (Projected)

EPSG	PHPCoord

Name: Faroe Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_FAROE_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(62),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to ETRS89 / Faroe TM (Projected)

EPSG	PHPCoord

Name: Faroe Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_FAROE_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-7),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999997),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-6000000)`
	`)`

to ETRS89 / GK19FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - west of 19.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK19FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK20FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 19.5°E to 20.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK20FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK21FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 20.5°E to 21.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK21FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK22FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 21.5°E to 22.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK22FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK23FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 22.5°E to 23.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK23FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK24FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 23.5°E to 24.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK24FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK25FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 24.5°E to 25.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK25FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK26FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 25.5°E to 26.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK26FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK27FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 26.5°E to 27.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK27FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK28FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 27.5°E to 28.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK28FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK29FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 28.5°E to 29.5°E nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK29FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK30FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 29.5°E to 30.5°E nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_GK30FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / GK31FIN (Projected)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - east of 30.5°E nominal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪GK31FIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / Gauss-Kruger CM 9E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 9E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪GAUSS_KRUGER_CM_9E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / Guernsey Grid (Projected)

EPSG	PHPCoord

Name: Guernsey Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Channel Islands - Guernsey, Alderney, Sark
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪GUERNSEY_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(49.5),`
	`  longitudeOfNaturalOrigin: new Degree(-2.`
	`↪4166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999997),`
	`  falseEasting: new Metre(47000),`
	`  falseNorthing: new Metre(50000)`
	`)`

to ETRS89 / Jersey Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Jersey Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Channel Islands - Jersey, Les Ecrehos and Les Minquiers
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_JERSEY_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(49.225),`
	`  longitudeOfNaturalOrigin: new Degree(-2.135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999999),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(70000)`
	`)`

to ETRS89 / Kp2000 Bornholm (Projected)

EPSG	PHPCoord

Name: Kp2000 Bornholm
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_BORNHOLM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / Kp2000 Jutland (Projected)

EPSG	PHPCoord

Name: Kp2000 Jylland og Fyn
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland and Funen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_JUTLAND),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / Kp2000 Zealand (Projected)

EPSG	PHPCoord

Name: Kp2000 Sjaelland
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_ZEALAND),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / LCC Germany (E-N) (Projected)

EPSG	PHPCoord

Name: LCC Germany
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_E_N),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(10.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(53.666666666667),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to ETRS89 / LCC Germany (N-E) (Projected)

EPSG	PHPCoord

Name: LCC Germany
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_N_E),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(10.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(53.666666666667),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to ETRS89 / NTM zone 10 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 10°E to 11°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(10.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 11 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 11°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(11.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 12 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 12°E to 13°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(12.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 13 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 13°E to 14°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(13.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 14 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 14°E to 15°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(14.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 15 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 15°E to 16°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(15.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 16 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 16°E to 17°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(16.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 17 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 17°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(17.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 18 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 18°E to 19°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(18.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 19 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 19°E to 20°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(19.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 20 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 20°E to 21°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(20.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 21 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 21°E to 22°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(21.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 22 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 22°E to 23°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(22.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 23 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 23°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(23.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 24 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 24°E to 25°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(24.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 25 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 25°E to 26°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(25.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 26 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 26°E to 27°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(26.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 27 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 27°E to 28°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(27.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 28 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 28°E to 29°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(28.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 29 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 29°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(29.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 30 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - east of 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(30.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 5 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - west of 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(5.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 6 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 6°E to 7°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(6.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 7 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 7°E to 8°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(7.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 8 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 8°E to 9°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(8.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / NTM zone 9 (Projected)

EPSG	PHPCoord

Name: Norway TM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 9°E to 10°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪NTM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(9.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to ETRS89 / Portugal TM06 (Projected)

EPSG	PHPCoord

Name: Portugal TM06
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_PORTUGAL_TM06),`
	`  latitudeOfNaturalOrigin: new Degree(39.668258333333),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1331083333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / TM 30 NE (Projected)

EPSG	PHPCoord

Name: TM 30 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_TM_30_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / TM Baltic93 (Projected)

EPSG	PHPCoord

Name: TM Baltic 93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Estonia; Latvia; Lithuania
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_TM_BALTIC93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / TM35FIN(E,N) (Projected)

EPSG	PHPCoord

Name: TM35FIN
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_TM35FIN_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / TM35FIN(N,E) (Projected)

EPSG	PHPCoord

Name: TM35FIN
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_TM35FIN_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 28N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 29N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪UTM_ZONE_29N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 30N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 31N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 31N (N-zE) (Projected)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_ZE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 31N (zE-N) (Projected)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_ZE_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 32N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 32N (N-zE) (Projected)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_ZE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 32N (zE-N) (Projected)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_ZE_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 33N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 33N (N-zE) (Projected)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_ZE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 33N (zE-N) (Projected)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_ZE_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 34N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 35N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪UTM_ZONE_35N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 36N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 37N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89-extended / LAEA Europe (Projected)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

to ETRS89-extended / LCC Europe (Projected)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LCC_EUROPE),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

to GS-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to GS-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GS_IRF),`
	`  offsetsFile: ETRS89GSIRFProvider->provideGrid()`
	`)`

to GSB-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to GSB-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSB_IRF),`
	`  offsetsFile: ETRS89GSBIRFProvider->`
	`↪provideGrid()`
	`)`

to HD72 (Geographic2D)

EPSG	PHPCoord

Name: HD72 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HD72),`
	`  xAxisTranslation: new Metre(-52.684),`
	`  yAxisTranslation: new Metre(71.194),`
	`  zAxisTranslation: new Metre(13.975),`
	`  xAxisRotation: new ArcSecond(-0.312),`
	`  yAxisRotation: new ArcSecond(-0.1063),`
	`  zAxisRotation: new ArcSecond(-0.3729),`
	`  scaleDifference: new PartsPerMillion(-1.0191)`
	`)`

to HTRS96 (Geographic2D)

EPSG	PHPCoord

Name: HTRS96 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HTRS96),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to IGM95 (Geographic2D)

EPSG	PHPCoord

Name: IGM95 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - including San Marino and Vatican
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGM95),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to IRENET95 (Geographic2D)

EPSG	PHPCoord

Name: IRENET95 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IRENET95),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to KK-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to KK-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - Copenhagen
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KK_IRF),`
	`  offsetsFile: ETRS89KKIRFProvider->provideGrid()`
	`)`

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: KKJ to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KKJ),`
	`  xAxisTranslation: new Metre(96.062),`
	`  yAxisTranslation: new Metre(82.428),`
	`  zAxisTranslation: new Metre(121.753),`
	`  xAxisRotation: new ArcSecond(4.801),`
	`  yAxisRotation: new ArcSecond(0.345),`
	`  zAxisRotation: new ArcSecond(-1.376),`
	`  scaleDifference: new PartsPerMillion(-1.496)`
	`)`

to LKS-92 (Geographic2D)

EPSG	PHPCoord

Name: LKS-92 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS_92),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to LKS94 (Geographic2D)

EPSG	PHPCoord

Name: LKS94 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LKS94),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to LUREF (Geographic2D)

EPSG	PHPCoord

Name: LUREF to ETRS89 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUREF),`
	`  xAxisTranslation: new Metre(265.9196),`
	`  yAxisTranslation: new Metre(-76.9506),`
	`  zAxisTranslation: new Metre(-20.2222),`
	`  xAxisRotation: new ArcSecond(-0.48171),`
	`  yAxisRotation: new ArcSecond(-3.09948),`
	`  zAxisRotation: new ArcSecond(2.68639),`
	`  scaleDifference: new PartsPerMillion(-0.46346),`
	`  ordinate1OfEvaluationPoint: new Metre(4101567.0943),`
	`  ordinate2OfEvaluationPoint: new Metre(440245.0881),`
	`  ordinate3OfEvaluationPoint: new Metre(4848681.4115)`
	`)`

Name: LUREF to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUREF),`
	`  xAxisTranslation: new Metre(189.228),`
	`  yAxisTranslation: new Metre(-12.0035),`
	`  zAxisTranslation: new Metre(42.6303),`
	`  xAxisRotation: new ArcSecond(-0.48171),`
	`  yAxisRotation: new ArcSecond(-3.09948),`
	`  zAxisRotation: new ArcSecond(2.68639),`
	`  scaleDifference: new PartsPerMillion(-0.46346)`
	`)`

to Lisbon (Geographic2D)

EPSG	PHPCoord

Name: Lisbon to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LISBON),`
	`  xAxisTranslation: new Metre(303.861),`
	`  yAxisTranslation: new Metre(60.693),`
	`  zAxisTranslation: new Metre(-103.607)`
	`)`

Name: Lisbon to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LISBON),`
	`  offsetsFile: NTv2LisbonETRS89PortugalProvider->`
	`↪provideGrid()`
	`)`

to Lisbon 1890 (Geographic2D)

EPSG	PHPCoord

Name: Lisbon 1890 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LISBON_1890),`
	`  xAxisTranslation: new Metre(-508.088),`
	`  yAxisTranslation: new Metre(191.042),`
	`  zAxisTranslation: new Metre(-565.223)`
	`)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: MGI to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  xAxisTranslation: new Metre(-577.326),`
	`  yAxisTranslation: new Metre(-90.129),`
	`  zAxisTranslation: new Metre(-463.919),`
	`  xAxisRotation: new ArcSecond(-5.137),`
	`  yAxisRotation: new ArcSecond(-1.474),`
	`  zAxisRotation: new ArcSecond(-5.297),`
	`  scaleDifference: new PartsPerMillion(-2.4232)`
	`)`

Name: MGI to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  offsetsFile: NTv2MGIETRS89AustriaProvider->provideGrid()`
	`)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-551.7),`
	`  yAxisTranslation: new Metre(-162.9),`
	`  zAxisTranslation: new Metre(-467.9),`
	`  xAxisRotation: new ArcSecond(-6.04),`
	`  yAxisRotation: new ArcSecond(-1.96),`
	`  zAxisRotation: new ArcSecond(11.38),`
	`  scaleDifference: new PartsPerMillion(4.82)`
	`)`

Name: MGI 1901 to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-517.4399),`
	`  yAxisTranslation: new Metre(-228.7318),`
	`  zAxisTranslation: new Metre(-579.7954),`
	`  xAxisRotation: new ArcSecond(4.045),`
	`  yAxisRotation: new ArcSecond(4.304),`
	`  zAxisRotation: new ArcSecond(-15.612),`
	`  scaleDifference: new PartsPerMillion(8.312)`
	`)`

Name: MGI 1901 to ETRS89 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bosnia and Herzegovina
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-489.88),`
	`  yAxisTranslation: new Metre(-183.912),`
	`  zAxisTranslation: new Metre(-533.711),`
	`  xAxisRotation: new ArcSecond(-5.76545),`
	`  yAxisRotation: new ArcSecond(-4.69994),`
	`  zAxisRotation: new ArcSecond(12.58211),`
	`  scaleDifference: new PartsPerMillion(-1.00646)`
	`)`

to MOLDREF99 (Geographic2D)

EPSG	PHPCoord

Name: MOLDREF99 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Moldova
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOLDREF99),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Monte Mario (Geographic2D)

EPSG	PHPCoord

Name: Monte Mario to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - mainland
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO),`
	`  xAxisTranslation: new Metre(104.1),`
	`  yAxisTranslation: new Metre(49.1),`
	`  zAxisTranslation: new Metre(9.9),`
	`  xAxisRotation: new ArcSecond(-0.971),`
	`  yAxisRotation: new ArcSecond(2.917),`
	`  zAxisRotation: new ArcSecond(-0.714),`
	`  scaleDifference: new PartsPerMillion(11.68)`
	`)`

Name: Monte Mario to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sardinia onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO),`
	`  xAxisTranslation: new Metre(168.6),`
	`  yAxisTranslation: new Metre(34),`
	`  zAxisTranslation: new Metre(-38.6),`
	`  xAxisRotation: new ArcSecond(0.374),`
	`  yAxisRotation: new ArcSecond(0.679),`
	`  zAxisRotation: new ArcSecond(1.379),`
	`  scaleDifference: new PartsPerMillion(9.48)`
	`)`

Name: Monte Mario to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO),`
	`  xAxisTranslation: new Metre(50.2),`
	`  yAxisTranslation: new Metre(50.4),`
	`  zAxisTranslation: new Metre(-84.8),`
	`  xAxisRotation: new ArcSecond(0.69),`
	`  yAxisRotation: new ArcSecond(2.012),`
	`  zAxisRotation: new ArcSecond(-0.459),`
	`  scaleDifference: new PartsPerMillion(28.08)`
	`)`

to NGO 1948 (Geographic2D)

EPSG	PHPCoord

Name: NGO 1948 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948),`
	`  xAxisTranslation: new Metre(-278.3),`
	`  yAxisTranslation: new Metre(-93),`
	`  zAxisTranslation: new Metre(-474.5),`
	`  xAxisRotation: new ArcSecond(-7.889),`
	`  yAxisRotation: new ArcSecond(-0.05),`
	`  zAxisRotation: new ArcSecond(6.61),`
	`  scaleDifference: new PartsPerMillion(-6.21)`
	`)`

to NTF (Geographic2D)

EPSG	PHPCoord

Name: NTF to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF),`
	`  xAxisTranslation: new Metre(168),`
	`  yAxisTranslation: new Metre(60),`
	`  zAxisTranslation: new Metre(-320)`
	`)`

to OSGB36 / British National Grid (Projected)

EPSG	PHPCoord

Name: ETRS89 to OSGB36 / British National Grid (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->OSTN15(`
	`  to: Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID),`
	`  eastingAndNorthingDifferenceFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

to Ostenfeld-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to Ostenfeld-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - northern Schleswig
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OSTENFELD_IRF),`
	`  offsetsFile: ETRS89OstenfeldIRFProvider->`
	`↪provideGrid()`
	`)`

to PD/83 (Geographic2D)

EPSG	PHPCoord

Name: PD/83 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Thuringen
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PD_83),`
	`  xAxisTranslation: new Metre(-599.4),`
	`  yAxisTranslation: new Metre(-72.4),`
	`  zAxisTranslation: new Metre(-419.2),`
	`  xAxisRotation: new ArcSecond(0.062),`
	`  yAxisRotation: new ArcSecond(0.022),`
	`  zAxisRotation: new ArcSecond(2.723),`
	`  scaleDifference: new PartsPerMillion(-6.46)`
	`)`

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(58) to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-2.3287),`
	`  yAxisTranslation: new Metre(147.0425),`
	`  zAxisTranslation: new Metre(92.0802),`
	`  xAxisRotation: new ArcSecond(-0.3092483),`
	`  yAxisRotation: new ArcSecond(0.32482185),`
	`  zAxisRotation: new ArcSecond(0.49729934),`
	`  scaleDifference: new PartsPerMillion(-5.`
	`↪68906266)`
	`)`

Name: Pulkovo 1942(58) to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-33.4),`
	`  yAxisTranslation: new Metre(146.6),`
	`  zAxisTranslation: new Metre(76.3),`
	`  xAxisRotation: new ArcSecond(0.359),`
	`  yAxisRotation: new ArcSecond(0.053),`
	`  zAxisRotation: new ArcSecond(-0.844),`
	`  scaleDifference: new PartsPerMillion(0.84)`
	`)`

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(83) to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - East Germany all states
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_83),`
	`  xAxisTranslation: new Metre(-24.9),`
	`  yAxisTranslation: new Metre(126.4),`
	`  zAxisTranslation: new Metre(93.2),`
	`  xAxisRotation: new ArcSecond(0.063),`
	`  yAxisRotation: new ArcSecond(0.247),`
	`  zAxisRotation: new ArcSecond(0.041),`
	`  scaleDifference: new PartsPerMillion(-1.01)`
	`)`

to RD/83 (Geographic2D)

EPSG	PHPCoord

Name: RD/83 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Saxony
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RD_83),`
	`  xAxisTranslation: new Metre(-612.4),`
	`  yAxisTranslation: new Metre(-77),`
	`  zAxisTranslation: new Metre(-440.2),`
	`  xAxisRotation: new ArcSecond(0.054),`
	`  yAxisRotation: new ArcSecond(-0.057),`
	`  zAxisRotation: new ArcSecond(2.797),`
	`  scaleDifference: new PartsPerMillion(-2.55)`
	`)`

Name: RD/83 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Saxony
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RD_83),`
	`  offsetsFile: NTv2RD83ETRS89SaxonyProvider->`
	`↪provideGrid()`
	`)`

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: RDN2008 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - including San Marino and Vatican
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RDN2008),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v1 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V1),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v2 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V2),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v2b to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V2B),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to S-JTSK [JTSK03] (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S-JTSK [JTSK03] (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_JTSK03),`
	`  xAxisTranslation: new Metre(-485.014055),`
	`  yAxisTranslation: new Metre(-169.473618),`
	`  zAxisTranslation: new Metre(-483.842943),`
	`  xAxisRotation: new ArcSecond(7.78625453),`
	`  yAxisRotation: new ArcSecond(4.39770887),`
	`  zAxisRotation: new ArcSecond(4.10248899),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

Name: S-JTSK [JTSK03] to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_JTSK03),`
	`  xAxisTranslation: new Metre(-485.021),`
	`  yAxisTranslation: new Metre(-169.465),`
	`  zAxisTranslation: new Metre(-483.839),`
	`  xAxisRotation: new ArcSecond(7.786342),`
	`  yAxisRotation: new ArcSecond(4.397554),`
	`  zAxisRotation: new ArcSecond(4.102655),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to S-JTSK/05 (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK/05 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_05),`
	`  xAxisTranslation: new Metre(-572.213),`
	`  yAxisTranslation: new Metre(-85.334),`
	`  zAxisTranslation: new Metre(-461.94),`
	`  xAxisRotation: new ArcSecond(4.9732),`
	`  yAxisRotation: new ArcSecond(1.529),`
	`  zAxisRotation: new ArcSecond(5.2484),`
	`  scaleDifference: new PartsPerMillion(-3.5378)`
	`)`

to S34J-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S34J-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland and Funen
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S34J_IRF),`
	`  offsetsFile: ETRS89S34JIRFProvider->`
	`↪provideGrid()`
	`)`

to S34S-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S34S-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Zealand and Lolland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S34S_IRF),`
	`  offsetsFile: ETRS89S34SIRFProvider->`
	`↪provideGrid()`
	`)`

to S45B-IRF (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S45B-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S45B_IRF),`
	`  offsetsFile: ETRS89S45BIRFProvider->`
	`↪provideGrid()`
	`)`

to SRB_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: SRB_ETRS89 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Serbia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SRB_ETRS89),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SREF98 (Geographic2D)

EPSG	PHPCoord

Name: SREF98 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Serbia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SREF98),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SWEREF99),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Slovenia 1996 (Geographic2D)

EPSG	PHPCoord

Name: Slovenia 1996 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLOVENIA_1996),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to TM75 (Geographic2D)

EPSG	PHPCoord

Name: TM75 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TM75),`
	`  xAxisTranslation: new Metre(-482.5),`
	`  yAxisTranslation: new Metre(130.6),`
	`  zAxisTranslation: new Metre(-564.6),`
	`  xAxisRotation: new ArcSecond(1.042),`
	`  yAxisRotation: new ArcSecond(0.214),`
	`  zAxisRotation: new ArcSecond(0.631),`
	`  scaleDifference: new PartsPerMillion(-8.15)`
	`)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: TUREF to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Turkey
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TUREF),`
	`  xAxisTranslation: new Metre(-0.023),`
	`  yAxisTranslation: new Metre(-0.036),`
	`  zAxisTranslation: new Metre(0.068),`
	`  xAxisRotation: new ArcSecond(-0.00176),`
	`  yAxisRotation: new ArcSecond(-0.00912),`
	`  zAxisRotation: new ArcSecond(0.01136),`
	`  scaleDifference: new PartsPerMillion(-0.00439)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF by country
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

ETRS89/DREF91/2016

`Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016)`

to ETRS89/DREF91/2016 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRS89_DREF91_2016)`
	`)`

to ETRS89/DREF91/2016 / 3-degree Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_3_DEGREE_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 31N (N-zE) (Projected)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_UTM_ZONE_31N_N_ZE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 31N (zE-N) (Projected)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_UTM_ZONE_31N_ZE_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 32N (N-zE) (Projected)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_UTM_ZONE_32N_N_ZE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 32N (zE-N) (Projected)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_`
	`↪DREF91_2016_UTM_ZONE_32N_ZE_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 33N (N-zE) (Projected)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_N_ZE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ETRS89/DREF91/2016 / UTM zone 33N (zE-N) (Projected)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_ZE_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

EWR2-IRF

```
Geographic2D::fromSRID(Geographic2D::EPSG_EWR2_IRF)
```

to EWR2 Grid (Projected)

EPSG	PHPCoord

Name: EWR2-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Oxford to Bedford
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EWR2_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(51.95),`
	`  longitudeOfNaturalOrigin: new Degree(-0.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(192519.9715),`
	`  falseNorthing: new Metre(146942.6806)`
	`)`

Easter Island 1967

```
Geographic2D::fromSRID(Geographic2D::EPSG_EASTER_ISLAND_1967)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Easter Island 1967 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Easter Island onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(211),`
	`  yAxisTranslation: new Metre(147),`
	`  zAxisTranslation: new Metre(111)`
	`)`

Egypt 1907

```
Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_1907)
```

to Egypt 1907 / Blue Belt (Projected)

EPSG	PHPCoord

Name: Egypt Blue Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - east of 33°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EGYPT_`
	`↪1907_BLUE_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(1100000)`
	`)`

to Egypt 1907 / Extended Purple Belt (Projected)

EPSG	PHPCoord

Name: Egypt Extended Purple Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - west of 29°E; south of 28°11'N
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EGYPT_`
	`↪1907_EXTENDED_PURPLE_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(1200000)`
	`)`

to Egypt 1907 / Purple Belt (Projected)

EPSG	PHPCoord

Name: Egypt Purple Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - west of 29°E; north of 28°11'N
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EGYPT_`
	`↪1907_PURPLE_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to Egypt 1907 / Red Belt (Projected)

EPSG	PHPCoord

Name: Egypt Red Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - 29°E to 33°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EGYPT_1907_RED_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(615000),`
	`  falseNorthing: new Metre(810000)`
	`)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: Egypt 1907 to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72),`
	`  xAxisTranslation: new Metre(-121.8),`
	`  yAxisTranslation: new Metre(98.1),`
	`  zAxisTranslation: new Metre(-15.2)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Egypt 1907 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-127.535),`
	`  yAxisTranslation: new Metre(113.495),`
	`  zAxisTranslation: new Metre(-12.7),`
	`  xAxisRotation: new ArcSecond(1.603747),`
	`  yAxisRotation: new ArcSecond(-0.153612),`
	`  zAxisRotation: new ArcSecond(-5.364408),`
	`  scaleDifference: new PartsPerMillion(5.33745),`
	`  ordinate1OfEvaluationPoint: new Metre(4854969.728),`
	`  ordinate2OfEvaluationPoint: new Metre(2945552.013),`
	`  ordinate3OfEvaluationPoint: new Metre(2868447.61)`
	`)`

Egypt Gulf of Suez S-650 TL

`Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL)`

to Egypt Gulf of Suez S-650 TL / Red Belt (Projected)

EPSG	PHPCoord

Name: Egypt Red Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - 29°E to 33°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL_RED_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(615000),`
	`  falseNorthing: new Metre(810000)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Egypt Gulf of Suez S-650 TL to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Gulf of Suez
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(-123),`
	`  yAxisTranslation: new Metre(98),`
	`  zAxisTranslation: new Metre(2)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Egypt Gulf of Suez S-650 TL to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Gulf of Suez
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-146.21),`
	`  yAxisTranslation: new Metre(112.63),`
	`  zAxisTranslation: new Metre(4.05)`
	`)`

FD54

`Geographic2D::fromSRID(Geographic2D::EPSG_FD54)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: FD54 to ED50 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(-153.33),`
	`  yAxisTranslation: new Metre(-169.41),`
	`  zAxisTranslation: new Metre(86.39)`
	`)`

to FD54 / Faroe Lambert (Projected)

EPSG	PHPCoord

Name: Faroe Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_FD54_FAROE_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(62),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to FD54 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FD54_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

FD58

`Geographic2D::fromSRID(Geographic2D::EPSG_FD58)`

to FD58 / Iraq zone (Projected)

EPSG	PHPCoord

Name: Iraq zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq zone
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_FD58_IRAQ_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9987864078),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(1166200)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: FD58 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Kangan district
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-241.54),`
	`  yAxisTranslation: new Metre(-163.64),`
	`  zAxisTranslation: new Metre(396.06)`
	`)`

Name: FD58 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Lavan Island and Balal field
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-239.1),`
	`  yAxisTranslation: new Metre(-170.02),`
	`  zAxisTranslation: new Metre(397.5)`
	`)`

Name: FD58 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Kharg Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-244.72),`
	`  yAxisTranslation: new Metre(-162.773),`
	`  zAxisTranslation: new Metre(400.75)`
	`)`

FEH2010

`Geographic2D::fromSRID(Geographic2D::EPSG_FEH2010)`

to FEH2010 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_FEH2010)`
	`)`

to FEH2010 / Fehmarnbelt TM (Projected)

EPSG	PHPCoord

Name: Fehmarnbelt TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Fehmarnbelt outer
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FEH2010_FEHMARNBELT_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: FEH2010 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Fehmarnbelt outer
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

FNL22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_FNL22_IRF)`

to FNL22 Grid (Projected)

EPSG	PHPCoord

Name: FNL22-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Inverness to Thurso
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FNL22_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(-3.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(139618.9493),`
	`  falseNorthing: new Metre(183110.794)`
	`)`

Fahud

`Geographic2D::fromSRID(Geographic2D::EPSG_FAHUD)`

to Fahud / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Fahud / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Fahud to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-345),`
	`  yAxisTranslation: new Metre(3),`
	`  zAxisTranslation: new Metre(223)`
	`)`

Fatu Iva 72

`Geographic2D::fromSRID(Geographic2D::EPSG_FATU_IVA_72)`

to Fatu Iva 72 / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FATU_IVA_72_UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: Fatu Iva 72 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Fatu Hiva
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  xAxisTranslation: new Metre(347.103),`
	`  yAxisTranslation: new Metre(1078.125),`
	`  zAxisTranslation: new Metre(2623.922),`
	`  xAxisRotation: new ArcSecond(33.8875),`
	`  yAxisRotation: new ArcSecond(-70.6773),`
	`  zAxisRotation: new ArcSecond(9.3943),`
	`  scaleDifference: new PartsPerMillion(186.074)`
	`)`

Fiji 1956

`Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1956)`

to Fiji 1956 / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Fiji 1956 / UTM zone 60S (Projected)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_60S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Fiji 1956 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - main islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(265.025),`
	`  yAxisTranslation: new Metre(384.929),`
	`  zAxisTranslation: new Metre(-194.046)`
	`)`

Fiji 1986

`Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1986)`

to Fiji 1986 / Fiji Map Grid (Projected)

EPSG	PHPCoord

Name: Fiji Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FIJI_1986_FIJI_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-17),`
	`  longitudeOfNaturalOrigin: new Degree(178.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99985),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Fiji 1986 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(4.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.554),`
	`  scaleDifference: new PartsPerMillion(0.2263)`
	`)`

Fort Marigot

`Geographic2D::fromSRID(Geographic2D::EPSG_FORT_MARIGOT)`

to Fort Marigot / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_FORT_`
	`↪MARIGOT_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: Fort Marigot to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin and St Barthelemy - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09),`
	`  xAxisTranslation: new Metre(151.613),`
	`  yAxisTranslation: new Metre(253.832),`
	`  zAxisTranslation: new Metre(-429.084),`
	`  xAxisRotation: new ArcSecond(-0.0506),`
	`  yAxisRotation: new ArcSecond(0.0958),`
	`  zAxisRotation: new ArcSecond(-0.5974),`
	`  scaleDifference: new PartsPerMillion(-0.3971)`
	`)`

GBK19-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_GBK19_IRF)`

to GBK19 Grid (Projected)

EPSG	PHPCoord

Name: GBK19-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Glasgow to Kilmarnock
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GBK19_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(55.75),`
	`  longitudeOfNaturalOrigin: new Degree(-4.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(93720.394),`
	`  falseNorthing: new Metre(113870.493)`
	`)`

GCGD59

`Geographic2D::fromSRID(Geographic2D::EPSG_GCGD59)`

to CIGD11 (Geographic2D)

EPSG	PHPCoord

Name: GCGD59 to CIGD11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands - Grand Cayman
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CIGD11),`
	`  xAxisTranslation: new Metre(-179.483),`
	`  yAxisTranslation: new Metre(-69.379),`
	`  zAxisTranslation: new Metre(-27.584),`
	`  xAxisRotation: new ArcSecond(7.862),`
	`  yAxisRotation: new ArcSecond(-8.163),`
	`  zAxisRotation: new ArcSecond(-6.042),`
	`  scaleDifference: new PartsPerMillion(-13.925)`
	`)`

to Grand Cayman National Grid 1959 (Projected)

EPSG	PHPCoord

Name: Cayman Islands TM (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GRAND_`
	`↪CAYMAN_NATIONAL_GRID_1959),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Foot(1640419.9475),`
	`  falseNorthing: new Foot(0)`
	`)`

GDA2020

`Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Australian Capital Territory
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(136.9703),`
	`  yAxisTranslation: new Metre(37.5638),`
	`  zAxisTranslation: new Metre(-124.4242),`
	`  xAxisRotation: new ArcSecond(0.25676),`
	`  yAxisRotation: new ArcSecond(0.42966),`
	`  zAxisRotation: new ArcSecond(0.30077),`
	`  scaleDifference: new PartsPerMillion(4.61966)`
	`)`

to GDA2020 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDA2020)`
	`)`

to GDA2020 / ALB2020 (Projected)

EPSG	PHPCoord

Name: Albany Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Albany
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_ALB2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117.`
	`↪88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000044),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4100000)`
	`)`

to GDA2020 / Australian Albers (Projected)

EPSG	PHPCoord

Name: Australian Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_AUSTRALIAN_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(132),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to GDA2020 / BCG2020 (Projected)

EPSG	PHPCoord

Name: Busselton Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Busselton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_BCG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.43333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999592),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to GDA2020 / BCSG2020 (Projected)

EPSG	PHPCoord

Name: Brisbane City Survey Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Brisbane
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_BCSG2020),`
	`  latitudeOfNaturalOrigin: new Degree(-28),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to GDA2020 / BIO2020 (Projected)

EPSG	PHPCoord

Name: Barrow Island Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Barrow
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_BIO2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000022),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(2700000)`
	`)`

to GDA2020 / BRO2020 (Projected)

EPSG	PHPCoord

Name: Broome Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Broome
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_BRO2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000298),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2300000)`
	`)`

to GDA2020 / CARN2020 (Projected)

EPSG	PHPCoord

Name: Carnarvon Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Carnarvon
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_CARN2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(113.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999796),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3050000)`
	`)`

to GDA2020 / CIG2020 (Projected)

EPSG	PHPCoord

Name: Christmas Island Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Christmas Island - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_CIG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002514),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1400000)`
	`)`

to GDA2020 / CKIG2020 (Projected)

EPSG	PHPCoord

Name: Cocos Island Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_CKIG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999387),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1600000)`
	`)`

to GDA2020 / COL2020 (Projected)

EPSG	PHPCoord

Name: Collie Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Collie
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_COL2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(4100000)`
	`)`

to GDA2020 / ESP2020 (Projected)

EPSG	PHPCoord

Name: Esperance Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Esperance
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_ESP2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4050000)`
	`)`

to GDA2020 / EXM2020 (Projected)

EPSG	PHPCoord

Name: Exmouth Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Exmouth
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_EXM2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.06666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000236),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2750000)`
	`)`

to GDA2020 / GA LCC (Projected)

EPSG	PHPCoord

Name: Geoscience Australia Standard National Scale Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_GA_LCC),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(134),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to GDA2020 / GCG2020 (Projected)

EPSG	PHPCoord

Name: Geraldton Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Geraldton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_GCG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000628),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3450000)`
	`)`

to GDA2020 / GOLD2020 (Projected)

EPSG	PHPCoord

Name: Goldfields Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalgoorlie
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_GOLD2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004949),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(3800000)`
	`)`

to GDA2020 / JCG2020 (Projected)

EPSG	PHPCoord

Name: Jurien Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Jurien Bay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_JCG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.98333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000314),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3650000)`
	`)`

to GDA2020 / KALB2020 (Projected)

EPSG	PHPCoord

Name: Kalbarri Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalbarri
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_KALB2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.31527777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new Metre(55000),`
	`  falseNorthing: new Metre(3700000)`
	`)`

to GDA2020 / KAR2020 (Projected)

EPSG	PHPCoord

Name: Karratha Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Karratha
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_KAR2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(116.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999989),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2550000)`
	`)`

to GDA2020 / KUN2020 (Projected)

EPSG	PHPCoord

Name: Kununurra Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kununurra
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_KUN2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(128.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000165),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2100000)`
	`)`

to GDA2020 / LCG2020 (Projected)

EPSG	PHPCoord

Name: Lancelin Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Lancelin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_LCG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.36666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000157),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3750000)`
	`)`

to GDA2020 / MGA zone 46 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - west of 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_46),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 47 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - east of 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_MGA_ZONE_47),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 48 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - west of 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_MGA_ZONE_48),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 49 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_MGA_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 50 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 51 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 52 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 53 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_MGA_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 54 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_MGA_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 55 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GDA2020_MGA_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 56 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 57 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 156°E to 162°E including Macquarie
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 58 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Norfolk Island - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MGA zone 59 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norfolk Island - east of 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_59),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA2020 / MRCG2020 (Projected)

EPSG	PHPCoord

Name: Margaret River Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Margaret River
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_MRCG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4050000)`
	`)`

to GDA2020 / NSW Lambert (Projected)

EPSG	PHPCoord

Name: New South Wales Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - New South Wales
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_NSW_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-33.25),`
	`  longitudeOfFalseOrigin: new Degree(147),`
	`  latitudeOf1stStandardParallel: new Degree(-30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(-35.75),`
	`  eastingAtFalseOrigin: new Metre(9300000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to GDA2020 / PCG2020 (Projected)

EPSG	PHPCoord

Name: Perth Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Perth
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_PCG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.81666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999906),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3900000)`
	`)`

to GDA2020 / PHG2020 (Projected)

EPSG	PHPCoord

Name: Port Hedland Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Port Hedland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_PHG2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(118.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000135),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2500000)`
	`)`

to GDA2020 / SA Lambert (Projected)

EPSG	PHPCoord

Name: South Australia Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - SA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_SA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-32),`
	`  longitudeOfFalseOrigin: new Degree(135),`
	`  latitudeOf1stStandardParallel: new Degree(-28),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to GDA2020 / Vicgrid (Projected)

EPSG	PHPCoord

Name: Vicgrid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Victoria
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA2020_VICGRID),`
	`  latitudeOfFalseOrigin: new Degree(-37),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(-36),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: GDA94 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  xAxisTranslation: new Millimetre(-61.55),`
	`  yAxisTranslation: new Millimetre(10.87),`
	`  zAxisTranslation: new Millimetre(40.19),`
	`  xAxisRotation: new ArcSecond(0.0394924),`
	`  yAxisRotation: new ArcSecond(0.0327221),`
	`  zAxisRotation: new ArcSecond(0.0328979),`
	`  scaleDifference: new PartsPerBillion(9.994)`
	`)`

Name: GDA94 to GDA2020 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  offsetsFile: NTv2GDA94GDA2020AustraliaProvider-`
	`↪>provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: WGS 84 to GDA2020 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Millimetre(-61.55),`
	`  yAxisTranslation: new Millimetre(10.87),`
	`  zAxisTranslation: new Millimetre(40.19),`
	`  xAxisRotation: new ArcSecond(0.0394924),`
	`  yAxisRotation: new ArcSecond(0.0327221),`
	`  zAxisRotation: new ArcSecond(0.0328979),`
	`  scaleDifference: new PartsPerBillion(9.994)`
	`)`

Name: WGS 84 to GDA2020 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  offsetsFile: NTv2GDA94GDA2020AustraliaProvider->provideGrid()`
	`)`

Name: GDA2020 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

GDA94

`Geographic2D::fromSRID(Geographic2D::EPSG_GDA94)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to GDA94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(127.8),`
	`  yAxisTranslation: new Metre(52.3),`
	`  zAxisTranslation: new Metre(-152.9)`
	`)`

Name: AGD66 to GDA94 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - New South Wales and Victoria
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(119.353),`
	`  yAxisTranslation: new Metre(48.301),`
	`  zAxisTranslation: new Metre(-139.484),`
	`  xAxisRotation: new ArcSecond(0.415),`
	`  yAxisRotation: new ArcSecond(0.26),`
	`  zAxisRotation: new ArcSecond(0.437),`
	`  scaleDifference: new PartsPerMillion(0.613)`
	`)`

Name: AGD66 to GDA94 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Tasmania
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(120.271),`
	`  yAxisTranslation: new Metre(64.543),`
	`  zAxisTranslation: new Metre(-161.632),`
	`  xAxisRotation: new ArcSecond(0.217),`
	`  yAxisRotation: new ArcSecond(-0.067),`
	`  zAxisRotation: new ArcSecond(-0.129),`
	`  scaleDifference: new PartsPerMillion(-2.499)`
	`)`

Name: AGD66 to GDA94 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Northern Territory
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(124.133),`
	`  yAxisTranslation: new Metre(42.003),`
	`  zAxisTranslation: new Metre(-137.4),`
	`  xAxisRotation: new ArcSecond(-0.008),`
	`  yAxisRotation: new ArcSecond(0.557),`
	`  zAxisRotation: new ArcSecond(0.178),`
	`  scaleDifference: new PartsPerMillion(1.854)`
	`)`

Name: AGD66 to GDA94 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - offshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(117.808),`
	`  yAxisTranslation: new Metre(51.536),`
	`  zAxisTranslation: new Metre(-137.784),`
	`  xAxisRotation: new ArcSecond(0.303),`

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: AGD84 to GDA94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - AGD84
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  xAxisTranslation: new Metre(117.763),`
	`  yAxisTranslation: new Metre(51.51),`
	`  zAxisTranslation: new Metre(-139.061),`
	`  xAxisRotation: new ArcSecond(0.292),`
	`  yAxisRotation: new ArcSecond(0.443),`
	`  zAxisRotation: new ArcSecond(0.277),`
	`  scaleDifference: new PartsPerMillion(0.191)`
	`)`

Name: AGD84 to GDA94 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - AGD84
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  offsetsFile: NTv2AGD84GDA94AustraliaProvider->`
	`↪provideGrid()`
	`)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: GDA94 to GDA2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  xAxisTranslation: new Millimetre(61.55),`
	`  yAxisTranslation: new Millimetre(-10.87),`
	`  zAxisTranslation: new Millimetre(-40.19),`
	`  xAxisRotation: new ArcSecond(-0.0394924),`
	`  yAxisRotation: new ArcSecond(-0.0327221),`
	`  zAxisRotation: new ArcSecond(-0.0328979),`
	`  scaleDifference: new PartsPerBillion(-9.994)`
	`)`

Name: GDA94 to GDA2020 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  offsetsFile: NTv2GDA94GDA2020AustraliaProvider-`
	`↪>provideGrid()`
	`)`

to GDA94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GDA94)`
	`)`

to GDA94 / ALB94 (Projected)

EPSG	PHPCoord

Name: Albany Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Albany
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_ALB94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000044),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to GDA94 / Australian Albers (Projected)

EPSG	PHPCoord

Name: Australian Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_AUSTRALIAN_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(132),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to GDA94 / BCG94 (Projected)

EPSG	PHPCoord

Name: Busselton Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Busselton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_BCG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.43333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999592),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3900000)`
	`)`

to GDA94 / BCSG02 (Projected)

EPSG	PHPCoord

Name: Brisbane City Survey Grid 02
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Brisbane
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_BCSG02),`
	`  latitudeOfNaturalOrigin: new Degree(-28),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to GDA94 / BIO94 (Projected)

EPSG	PHPCoord

Name: Barrow Island Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Barrow
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_BIO94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000022),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(2600000)`
	`)`

to GDA94 / BRO94 (Projected)

EPSG	PHPCoord

Name: Broome Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Broome
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_BRO94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000298),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2200000)`
	`)`

to GDA94 / CARN94 (Projected)

EPSG	PHPCoord

Name: Carnarvon Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Carnarvon
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_CARN94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(113.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999796),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2950000)`
	`)`

to GDA94 / CIG94 (Projected)

EPSG	PHPCoord

Name: Christmas Island Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Christmas Island - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_CIG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002514),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to GDA94 / CKIG94 (Projected)

EPSG	PHPCoord

Name: Cocos Island Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_CKIG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999387),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

to GDA94 / COL94 (Projected)

EPSG	PHPCoord

Name: Collie Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Collie
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_COL94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to GDA94 / ESP94 (Projected)

EPSG	PHPCoord

Name: Esperance Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Esperance
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_ESP94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3950000)`
	`)`

to GDA94 / EXM94 (Projected)

EPSG	PHPCoord

Name: Exmouth Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Exmouth
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_EXM94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.06666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000236),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2650000)`
	`)`

to GDA94 / GCG94 (Projected)

EPSG	PHPCoord

Name: Geraldton Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Geraldton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_GCG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000628),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3350000)`
	`)`

to GDA94 / GOLD94 (Projected)

EPSG	PHPCoord

Name: Goldfields Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalgoorlie
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_GOLD94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004949),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(3700000)`
	`)`

to GDA94 / Geoscience Australia Lambert (Projected)

EPSG	PHPCoord

Name: Geoscience Australia Standard National Scale Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_GEOSCIENCE_AUSTRALIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(134),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to GDA94 / JCG94 (Projected)

EPSG	PHPCoord

Name: Jurien Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Jurien Bay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_JCG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.98333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000314),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3550000)`
	`)`

to GDA94 / KALB94 (Projected)

EPSG	PHPCoord

Name: Kalbarri Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalbarri
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_KALB94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.31527777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new Metre(55000),`
	`  falseNorthing: new Metre(3600000)`
	`)`

to GDA94 / KAR94 (Projected)

EPSG	PHPCoord

Name: Karratha Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Karratha
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_KAR94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(116.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999989),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2450000)`
	`)`

to GDA94 / KUN94 (Projected)

EPSG	PHPCoord

Name: Kununurra Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kununurra
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_KUN94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(128.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000165),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to GDA94 / LCG94 (Projected)

EPSG	PHPCoord

Name: Lancelin Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Lancelin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_`
	`↪LCG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.`
	`↪36666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪00000157),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3650000)`
	`)`

to GDA94 / MGA zone 46 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - west of 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_`
	`↪MGA_ZONE_46),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 47 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - east of 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_`
	`↪MGA_ZONE_47),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 48 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - west of 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_48),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 49 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 50 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 51 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 52 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 53 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 54 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 55 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 56 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 57 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 156°E to 162°E including Macquarie
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 58 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Norfolk Island - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MGA zone 59 (Projected)

EPSG	PHPCoord

Name: Map Grid of Australia zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norfolk Island - east of 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_59),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to GDA94 / MRCG94 (Projected)

EPSG	PHPCoord

Name: Margaret River Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Margaret River
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_MRCG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3950000)`
	`)`

to GDA94 / NSW Lambert (Projected)

EPSG	PHPCoord

Name: New South Wales Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - New South Wales
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_NSW_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-33.25),`
	`  longitudeOfFalseOrigin: new Degree(147),`
	`  latitudeOf1stStandardParallel: new Degree(-30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(-35.75),`
	`  eastingAtFalseOrigin: new Metre(9300000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to GDA94 / PCG94 (Projected)

EPSG	PHPCoord

Name: Perth Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Perth
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_PCG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.81666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999906),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3800000)`
	`)`

to GDA94 / PHG94 (Projected)

EPSG	PHPCoord

Name: Port Hedland Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Port Hedland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_PHG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(118.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000135),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2400000)`
	`)`

to GDA94 / SA Lambert (Projected)

EPSG	PHPCoord

Name: South Australia Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - SA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_SA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-32),`
	`  longitudeOfFalseOrigin: new Degree(135),`
	`  latitudeOf1stStandardParallel: new Degree(-28),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to GDA94 / Vicgrid (Projected)

EPSG	PHPCoord

Name: Vicgrid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Victoria
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_VICGRID),`
	`  latitudeOfFalseOrigin: new Degree(-37),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(-36),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to GDA94 / WEIPA94 (Projected)

EPSG	PHPCoord

Name: WEIPA94
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Queensland - Weipa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GDA94_WEIPA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999929),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

GDBD2009

`Geographic2D::fromSRID(Geographic2D::EPSG_GDBD2009)`

to GDBD2009 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GDBD2009)`
	`)`

to GDBD2009 / Brunei BRSO (Projected)

EPSG	PHPCoord

Name: Borneo RSO
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_GDBD2009_BRUNEI_BRSO),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.31580995),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: Timbalai 1948 to GDBD2009 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brunei
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TIMBALAI_1948),`
	`  xAxisTranslation: new Metre(689.5937),`
	`  yAxisTranslation: new Metre(-623.84046),`
	`  zAxisTranslation: new Metre(65.93566),`
	`  xAxisRotation: new ArcSecond(-0.02331),`
	`  yAxisRotation: new ArcSecond(1.17094),`
	`  zAxisRotation: new ArcSecond(-0.80054),`
	`  scaleDifference: new PartsPerMillion(-5.88536)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GDBD2009 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brunei
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

GDM2000

`Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000)`

to GDM2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDM2000)`
	`)`

to GDM2000 / East Malaysia BRSO (Projected)

EPSG	PHPCoord

Name: Borneo RSO
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_EAST_MALAYSIA_BRSO),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.31580995),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to GDM2000 / Johor Grid (Projected)

EPSG	PHPCoord

Name: Johor Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Johor
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_JOHOR_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.1216797444444),`
	`  longitudeOfNaturalOrigin: new Degree(103.42793623611),`
	`  falseEasting: new Metre(-14810.562),`
	`  falseNorthing: new Metre(8758.32)`
	`)`

to GDM2000 / Kedah and Perlis Grid (Projected)

EPSG	PHPCoord

Name: Kedah and Perlis Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kedah and Perlis
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_KEDAH_AND_PERLIS_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.9646727138889),`
	`  longitudeOfNaturalOrigin: new Degree(100.63637111111),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to GDM2000 / Kelantan Grid (Projected)

EPSG	PHPCoord

Name: Kelantan Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kelantan
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_KELANTAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.9725436583333),`
	`  longitudeOfNaturalOrigin: new Degree(102.29524166944),`
	`  falseEasting: new Metre(13227.851),`
	`  falseNorthing: new Metre(8739.894)`
	`)`

to GDM2000 / Pahang Grid (Projected)

EPSG	PHPCoord

Name: Pahang Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pahang
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_PAHANG_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(3.7693880888889),`
	`  longitudeOfNaturalOrigin: new Degree(102.36829898333),`
	`  falseEasting: new Metre(-7368.228),`
	`  falseNorthing: new Metre(6485.858)`
	`)`

to GDM2000 / Peninsula RSO (Projected)

EPSG	PHPCoord

Name: Peninsular RSO
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_PENINSULA_RSO),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(102.25),`
	`  azimuthOfInitialLine: new Degree(323.02579646667),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(804671),`
	`  falseNorthing: new Metre(0)`
	`)`

to GDM2000 / Perak Grid (Projected)

EPSG	PHPCoord

Name: Perak Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Perak
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_PERAK_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.8590630222222),`
	`  longitudeOfNaturalOrigin: new Degree(100.81541058611),`
	`  falseEasting: new Metre(-1.769),`
	`  falseNorthing: new Metre(133454.779)`
	`)`

to GDM2000 / Pinang Grid (Projected)

EPSG	PHPCoord

Name: Pinang Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pulau Pinang
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_PINANG_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.4215175416667),`
	`  longitudeOfNaturalOrigin: new Degree(100.34437696389),`
	`  falseEasting: new Metre(-23.414),`
	`  falseNorthing: new Metre(62.283)`
	`)`

to GDM2000 / Selangor Grid (Projected)

EPSG	PHPCoord

Name: Selangor Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Selangor
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_SELANGOR_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(3.68464905),`
	`  longitudeOfNaturalOrigin: new Degree(101.38910791389),`
	`  falseEasting: new Metre(-34836.161),`
	`  falseNorthing: new Metre(56464.049)`
	`)`

to GDM2000 / Sembilan and Melaka Grid (Projected)

EPSG	PHPCoord

Name: Sembilan and Melaka Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Sembilan and Melaka
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_SEMBILAN_AND_MELAKA_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.6823476361111),`
	`  longitudeOfNaturalOrigin: new Degree(101.97490504167),`
	`  falseEasting: new Metre(3673.785),`
	`  falseNorthing: new Metre(-4240.573)`
	`)`

to GDM2000 / Terengganu Grid (Projected)

EPSG	PHPCoord

Name: Terengganu Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Terengganu
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_GDM2000_TERENGGANU_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.9762852),`
	`  longitudeOfNaturalOrigin: new Degree(103.070275625),`
	`  falseEasting: new Metre(19594.245),`
	`  falseNorthing: new Metre(3371.895)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GDM2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

GGRS87

`Geographic2D::fromSRID(Geographic2D::EPSG_GGRS87)`

to GGRS87 / Greek Grid (Projected)

EPSG	PHPCoord

Name: Greek Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GGRS87_GREEK_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Greek (Geographic2D)

EPSG	PHPCoord

Name: Greek to GGRS87 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->geographic2DOffsets(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GREEK),`
	`  latitudeOffset: new ArcSecond(5.86),`
	`  longitudeOffset: new ArcSecond(-0.28)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GGRS87 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-199.87),`
	`  yAxisTranslation: new Metre(74.79),`
	`  zAxisTranslation: new Metre(246.62)`
	`)`

GR96

`Geographic2D::fromSRID(Geographic2D::EPSG_GR96)`

to Ammassalik 1958 (Geographic2D)

EPSG	PHPCoord

Name: Ammassalik 1958 to GR96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Ammassalik area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMMASSALIK_1958),`
	`  xAxisTranslation: new Metre(45),`
	`  yAxisTranslation: new Metre(-417),`
	`  zAxisTranslation: new Metre(3.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.6)`
	`)`

to GR96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_GR96)`
	`)`

to GR96 / EPSG Arctic zone 1-25 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 60°W to 0°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_1_25),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(-30),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(25500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

to GR96 / EPSG Arctic zone 2-18 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 72°W to 32°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_18),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-52),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(18500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to GR96 / EPSG Arctic zone 2-20 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 32°W to 8°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_20),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-12),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to GR96 / EPSG Arctic zone 3-29 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 84°W to 54°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_29),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-69),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to GR96 / EPSG Arctic zone 3-31 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 54°W to 24°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_31),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to GR96 / EPSG Arctic zone 3-33 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 24°W to 3°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_33),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-10),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(33500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to GR96 / EPSG Arctic zone 4-20 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 76°W to 51°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_20),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(-64),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to GR96 / EPSG Arctic zone 4-22 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 51°W to 26°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_22),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to GR96 / EPSG Arctic zone 4-24 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 26°W to 2°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_24),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(-14),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(24500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to GR96 / EPSG Arctic zone 5-41 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 72°W to 52°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_41),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-62),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(41500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to GR96 / EPSG Arctic zone 5-43 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 52°W to 32°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_43),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-42),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(43500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to GR96 / EPSG Arctic zone 5-45 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 32°W to 12°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_45),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-22),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(45500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to GR96 / EPSG Arctic zone 6-26 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 65°W to 47°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_26),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-56),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(26500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to GR96 / EPSG Arctic zone 6-28 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 47°W to 29°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_28),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-38),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(28500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to GR96 / EPSG Arctic zone 6-30 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 29°W to 11°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_30),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-20),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(30500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to GR96 / EPSG Arctic zone 7-11 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 7-11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 67°50'N to 62°50'N, 59°W to 42°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_11),`
	`  latitudeOfFalseOrigin: new Degree(65.351039305556),`
	`  longitudeOfFalseOrigin: new Degree(-51),`
	`  latitudeOf1stStandardParallel: new Degree(67),`
	`  latitudeOf2ndStandardParallel: new Degree(63.666666666667),`
	`  eastingAtFalseOrigin: new Metre(11500000),`
	`  northingAtFalseOrigin: new Metre(7500000)`
	`)`

to GR96 / EPSG Arctic zone 7-13 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 7-13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 67°50'N to 62°50'N, 42°W to 25°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_13),`
	`  latitudeOfFalseOrigin: new Degree(65.351039305556),`
	`  longitudeOfFalseOrigin: new Degree(-34),`
	`  latitudeOf1stStandardParallel: new Degree(67),`
	`  latitudeOf2ndStandardParallel: new Degree(63.666666666667),`
	`  eastingAtFalseOrigin: new Metre(13500000),`
	`  northingAtFalseOrigin: new Metre(7500000)`
	`)`

to GR96 / EPSG Arctic zone 8-20 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 8-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 64°30'N to 59°30'N, 59°W to 44°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_20),`
	`  latitudeOfFalseOrigin: new Degree(62.015306888889),`
	`  longitudeOfFalseOrigin: new Degree(-52),`
	`  latitudeOf1stStandardParallel: new Degree(63.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(60.333333333333),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(8500000)`
	`)`

to GR96 / EPSG Arctic zone 8-22 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 8-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 64°30'N to 59°30'N, 44°W to 29°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_22),`
	`  latitudeOfFalseOrigin: new Degree(62.015306888889),`
	`  longitudeOfFalseOrigin: new Degree(-37),`
	`  latitudeOf1stStandardParallel: new Degree(63.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(60.333333333333),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(8500000)`
	`)`

to GR96 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 25N (Projected)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_25N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GR96 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Qornoq 1927 to GR96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west coast
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  xAxisTranslation: new Metre(-163.511),`
	`  yAxisTranslation: new Metre(-127.533),`
	`  zAxisTranslation: new Metre(159.789),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.6)`
	`)`

to Scoresbysund 1952 (Geographic2D)

EPSG	PHPCoord

Name: Scoresbysund 1952 to GR96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Scoresbysund area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCORESBYSUND_1952),`
	`  xAxisTranslation: new Metre(-105),`
	`  yAxisTranslation: new Metre(-326),`
	`  zAxisTranslation: new Metre(102.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.6)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GR96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

GS-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_GS_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to GS-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  offsetsFile: ETRS89GSIRFProvider->provideGrid()`
	`)`

to GS reconstruction east-orientated (Projected)

EPSG	PHPCoord

Name: Generalstabens System LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_GS_`
	`↪RECONSTRUCTION_EAST_ORIENTATED),`
	`  latitudeOfNaturalOrigin: new Degree(56),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(55),`
	`  longitudeOfFalseOrigin: new Degree(10.37775),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

GSB-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_GSB_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to GSB-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  offsetsFile: ETRS89GSBIRFProvider->`
	`↪provideGrid()`
	`)`

to GSB reconstruction east-orientated (Projected)

EPSG	PHPCoord

Name: GSB-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_GSB_`
	`↪RECONSTRUCTION_EAST_ORIENTATED),`
	`  latitudeOfNaturalOrigin: new Degree(56),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(55),`
	`  longitudeOfFalseOrigin: new Degree(14.92775),`
	`  eastingAtFalseOrigin: new Metre(-18831.46),`
	`  northingAtFalseOrigin: new Metre(5614.621)`
	`)`

GSK-2011

`Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011)`

to GSK-2011 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GSK_2011)`
	`)`

to GSK-2011 / GSK 3GK CM 102E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 100.5°E to 103.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 105E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 103.5°E to 106.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 108E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 106.5°E to 109.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 111E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 109.5°E to 112.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 114E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 112.5°E to 115.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 117E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 115.5°E to 118.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 120E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 118.5°E to 121.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 123E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 121.5°E to 124.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 126E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 124.5°E to 127.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 129E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 127.5°E to 130.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 132E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 130.5°E to 133.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 135E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 133.5°E to 136.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 138E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 138E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 136.5°E to 139.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_138E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 141E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 139.5°E to 142.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_141E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 144E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 144E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 142.5°E to 145.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_144E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 147E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 145.5°E to 148.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_147E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 150E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 150E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 148.5°E to 151.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_150E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 153E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 151.5°E to 154.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_153E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 156E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 156E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 154.5°E to 157.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_156E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 159E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 157.5°E to 160.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_159E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 162E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 162E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 160.5°E to 163.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_162E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 165E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 163.5°E to 166.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_165E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 168E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 168E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 166.5°E to 169.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_168E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 168W (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 168W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - east of 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_168W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 171E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 169.5°E to 172.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_171E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 171W (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°W to 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_171W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 174E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 174E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°E to 175.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_174E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 174W (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 174W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°W to 172.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_174W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 177E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°E to 178.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_177E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 177W (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°W to 175.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_177W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 180E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 180E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°E to 178.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_180E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 21E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 24E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 24E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 22.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_24E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 27E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 25.5°E to 28.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 30E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 28.5°E to 31.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_30E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 33E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 31.5°E to 34.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 36E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 34.5°E to 37.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_36E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 39E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 37.5°E to 40.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 42E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 40.5°E to 43.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_42E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 45E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 43.5°E to 46.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_45E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 48E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 48E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 46.5°E to 49.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_48E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 51E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 49.5°E to 52.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_51E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 54E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 54E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 52.5°E to 55.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_54E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 57E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 55.5°E to 58.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_57E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 60E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 60E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 58.5°E to 61.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_60E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 63E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 61.5°E to 64.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_63E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 66E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 66E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 64.5°E to 67.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_66E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 69E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 67.5°E to 70.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_69E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 72E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 72E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 70.5°E to 73.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_72E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 75E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 73.5°E to 76.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 78E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 76.5°E to 79.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 81E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 79.5°E to 82.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 84E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 82.5°E to 85.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 87E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 85.5°E to 88.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 90E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 88.5°E to 91.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 93E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 91.5°E to 94.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 96E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 94.5°E to 97.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK CM 99E (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 97.5°E to 100.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 10 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 11 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 31.5°E to 34.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 12 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 34.5°E to 37.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 13 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 37.5°E to 40.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 14 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 40.5°E to 43.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 15 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 43.5°E to 46.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 16 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 46.5°E to 49.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 17 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 49.5°E to 52.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 18 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 52.5°E to 55.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 19 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 55.5°E to 58.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 20 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 58.5°E to 61.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 21 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 063°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 22 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 64.5°E to 67.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 23 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 67.5°E to 70.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 24 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 70.5°E to 73.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 25 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 73.5°E to 76.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 26 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 76.5°E to 79.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 27 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 79.5°E to 82.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 28 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 82.5°E to 85.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 29 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 85.5°E to 88.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 30 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 88.5°E to 91.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 31 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 91.5°E to 94.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 32 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 94.5°E to 97.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 33 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 97.5°E to 100.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 34 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 100.5°E to 103.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 35 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 103.5°E to 106.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 36 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 106.5°E to 109.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 37 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 109.5°E to 112.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 38 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 112.5°E to 115.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 39 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 115.5°E to 118.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 40 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 118.5°E to 121.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 41 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 121.5°E to 124.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 42 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 124.5°E to 127.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 43 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 127.5°E to 130.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 44 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 130.5°E to 133.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 45 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 133.5°E to 136.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 46 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 136.5°E to 139.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_46),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(46250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 47 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 139.5°E to 142.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_47),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(47250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 48 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 142.5°E to 145.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_48),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(48250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 49 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 145.5°E to 148.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 50 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 148.5°E to 151.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 51 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 151.5°E to 154.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(51250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 52 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 154.5°E to 157.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(52250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 53 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 157.5°E to 160.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(53250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 54 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 160.5°E to 163.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(54250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 55 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 163.5°E to 166.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(55250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 56 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 166.5°E to 169.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 57 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 169.5°E to 172.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(57250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 58 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°E to 175.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(58250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 59 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°E to 178.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_59),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(59250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 60 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°E to 178.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_60),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(60250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 61 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 61
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°W to 175.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_61),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(61250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 62 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 62
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°W to 172.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_62),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(62250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 63 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 63
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°W to 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_63),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(63250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 64 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 64
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - east of 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_64),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 7 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 8 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 22.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / GSK 3GK zone 9 (Projected)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 25.5°E to 28.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GSK_3GK_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 141E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_141E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 147E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_147E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 153E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_153E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 159E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_159E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 165E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_165E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 171E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 171W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 177E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 177W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 21E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 27E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 33E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 39E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 45E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_45E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 51E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_51E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 57E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_57E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 63E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_CM_63E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 69E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_69E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 24 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 6 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to GSK-2011 / Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GSK_`
	`↪2011_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GSK-2011 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

GWPBS22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_GWPBS22_IRF)`

to GWPBS22 Grid (Projected)

EPSG	PHPCoord

Name: GW22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Fishguard
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GWPBS22_GRID),`
	`  latitudeOfFalseOrigin: new Degree(51.65),`
	`  longitudeOfFalseOrigin: new Degree(-2.65),`
	`  latitudeOf1stStandardParallel: new Degree(51.4),`
	`  latitudeOf2ndStandardParallel: new Degree(51.9),`
	`  eastingAtFalseOrigin: new Metre(168854.016),`
	`  northingAtFalseOrigin: new Metre(193447.117)`
	`)`

GWWAB22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_GWWAB22_IRF)`

to GWWAB22 Grid (Projected)

EPSG	PHPCoord

Name: GW22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Fishguard
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GWWAB22_GRID),`
	`  latitudeOfFalseOrigin: new Degree(51.65),`
	`  longitudeOfFalseOrigin: new Degree(-2.65),`
	`  latitudeOf1stStandardParallel: new Degree(51.4),`
	`  latitudeOf2ndStandardParallel: new Degree(51.9),`
	`  eastingAtFalseOrigin: new Metre(168854.016),`
	`  northingAtFalseOrigin: new Metre(193447.117)`
	`)`

GWWWA22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_GWWWA22_IRF)`

to GWWWA22 Grid (Projected)

EPSG	PHPCoord

Name: GW22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Fishguard
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_GWWWA22_GRID),`
	`  latitudeOfFalseOrigin: new Degree(51.65),`
	`  longitudeOfFalseOrigin: new Degree(-2.65),`
	`  latitudeOf1stStandardParallel: new Degree(51.4),`
	`  latitudeOf2ndStandardParallel: new Degree(51.9),`
	`  eastingAtFalseOrigin: new Metre(168854.016),`
	`  northingAtFalseOrigin: new Metre(193447.117)`
	`)`

Gambia

`Geographic2D::fromSRID(Geographic2D::EPSG_GAMBIA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Gambia to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gambia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-63),`
	`  yAxisTranslation: new Metre(176),`
	`  zAxisTranslation: new Metre(185)`
	`)`

Gan 1970

`Geographic2D::fromSRID(Geographic2D::EPSG_GAN_1970)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Gan 1970 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Maldives - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-133),`
	`  yAxisTranslation: new Metre(-321),`
	`  zAxisTranslation: new Metre(50)`
	`)`

Garoua

`Geographic2D::fromSRID(Geographic2D::EPSG_GAROUA)`

to Garoua / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GAROUA_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Garoua to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - Garoua area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  xAxisTranslation: new Metre(-56.1),`
	`  yAxisTranslation: new Metre(-167.8),`
	`  zAxisTranslation: new Metre(13.1)`
	`)`

Grand Comoros

`Geographic2D::fromSRID(Geographic2D::EPSG_GRAND_COMOROS)`

to Grand Comoros / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GRAND_COMOROS_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Grand Comoros to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Comoros - Njazidja (Grande Comore)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-963),`
	`  yAxisTranslation: new Metre(510),`
	`  zAxisTranslation: new Metre(-359)`
	`)`

Greek

`Geographic2D::fromSRID(Geographic2D::EPSG_GREEK)`

to GGRS87 (Geographic2D)

EPSG	PHPCoord

Name: Greek to GGRS87 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->geographic2DOffsets(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GGRS87),`
	`  latitudeOffset: new ArcSecond(-5.86),`
	`  longitudeOffset: new ArcSecond(0.28)`
	`)`

to Greek (Athens) (Geographic2D)

EPSG	PHPCoord

Name: Greek (Athens) to Greek (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GREEK_ATHENS),`
	`  longitudeOffset: new Degree(-23.7163375)`
	`)`

Greek (Athens)

`Geographic2D::fromSRID(Geographic2D::EPSG_GREEK_ATHENS)`

to Greek (Geographic2D)

EPSG	PHPCoord

Name: Greek (Athens) to Greek (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GREEK),`
	`  longitudeOffset: new Degree(23.7163375)`
	`)`

Grenada 1953

`Geographic2D::fromSRID(Geographic2D::EPSG_GRENADA_1953)`

to Grenada 1953 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_GRENADA_1953_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Grenada 1953 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Grenada - main island - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(72),`
	`  yAxisTranslation: new Metre(213.7),`
	`  zAxisTranslation: new Metre(93)`
	`)`

Guadeloupe 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_GUADELOUPE_1948)`

to Guadeloupe 1948 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GUADELOUPE_1948_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: Guadeloupe 1948 to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and surrounding islands - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGAF09),`
	`  xAxisTranslation: new Metre(-471.06),`
	`  yAxisTranslation: new Metre(-3.212),`
	`  zAxisTranslation: new Metre(-305.843),`
	`  xAxisRotation: new ArcSecond(0.4752),`
	`  yAxisRotation: new ArcSecond(-0.9978),`
	`  zAxisRotation: new ArcSecond(0.2068),`
	`  scaleDifference: new PartsPerMillion(2.1353)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Guadeloupe 1948 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and surrounding islands - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-472.29),`
	`  yAxisTranslation: new Metre(-5.63),`
	`  zAxisTranslation: new Metre(-304.12),`
	`  xAxisRotation: new ArcSecond(0.4362),`
	`  yAxisRotation: new ArcSecond(-0.8374),`
	`  zAxisRotation: new ArcSecond(0.2563),`
	`  scaleDifference: new PartsPerMillion(1.8984)`
	`)`

Guam 1963

`Geographic2D::fromSRID(Geographic2D::EPSG_GUAM_1963)`

to Guam 1963 / Guam SPCS (Projected)

EPSG	PHPCoord

Name: Guam SPCS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->guamProjection(`
	`  to: Projected::fromSRID(Projected::EPSG_GUAM_`
	`↪1963_GUAM_SPCS),`
	`  latitudeOfNaturalOrigin: new Degree(13.`
	`↪472466352778),`
	`  longitudeOfNaturalOrigin: new Degree(144.`
	`↪74875070556),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(50000)`
	`)`

to Guam 1963 / Yap Islands (Projected)

EPSG	PHPCoord

Name: Yap Islands
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Micronesia - Yap Islands
	`$point->modifiedAzimuthalEquidistant(`
	`  to: Projected::fromSRID(Projected::EPSG_GUAM_1963_YAP_ISLANDS),`
	`  latitudeOfNaturalOrigin: new Degree(9.5467083333333),`
	`  longitudeOfNaturalOrigin: new Degree(138.16874444444),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(60000)`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Guam 1963 to NAD83(HARN) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Guam and NMI - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeDifferenceFile: NADCON5GU63NAD831993GuamCnMILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5GU63NAD831993GuamCnMILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Guam 1963 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-100),`
	`  yAxisTranslation: new Metre(-248),`
	`  zAxisTranslation: new Metre(259)`
	`)`

Gulshan 303

`Geographic2D::fromSRID(Geographic2D::EPSG_GULSHAN_303)`

to Gulshan 303 / Bangladesh Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Bangladesh Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GULSHAN_303_BANGLADESH_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-2000000)`
	`)`

to Gulshan 303 / TM 90 NE (Projected)

EPSG	PHPCoord

Name: TM 90 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh, Bangladesh - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GULSHAN_303_TM_90_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Gulshan 303 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(283.729),`
	`  yAxisTranslation: new Metre(735.942),`
	`  zAxisTranslation: new Metre(261.143)`
	`)`

Gusterberg (Ferro)

```
Geographic2D::fromSRID(Geographic2D::EPSG_GUSTERBERG_FERRO)
```

to Gusterberg Grid (Ferro) (Projected)

EPSG	PHPCoord

Name: Gusterberg Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Upper Austria, Salzburg and Bohemia
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪GUSTERBERG_GRID_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪038463888889),`
	`  longitudeOfNaturalOrigin: new Degree(31.`
	`↪8041805555556),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

HD1909

```
Geographic2D::fromSRID(Geographic2D::EPSG_HD1909)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: HD1909 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(595.48),`
	`  yAxisTranslation: new Metre(121.69),`
	`  zAxisTranslation: new Metre(515.35),`
	`  xAxisRotation: new ArcSecond(-4.115),`
	`  yAxisRotation: new ArcSecond(2.9383),`
	`  zAxisRotation: new ArcSecond(-0.853),`
	`  scaleDifference: new PartsPerMillion(-3.408)`
	`)`

HD72

`Geographic2D::fromSRID(Geographic2D::EPSG_HD72)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: HD72 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(52.684),`
	`  yAxisTranslation: new Metre(-71.194),`
	`  zAxisTranslation: new Metre(-13.975),`
	`  xAxisRotation: new ArcSecond(0.312),`
	`  yAxisRotation: new ArcSecond(0.1063),`
	`  zAxisRotation: new ArcSecond(0.3729),`
	`  scaleDifference: new PartsPerMillion(1.0191)`
	`)`

to HD72 / EOV (Projected)

EPSG	PHPCoord

Name: Egyseges Orszagos Vetuleti
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_HD72_EOV),`
	`  latitudeOfProjectionCentre: new Degree(47.144393722222),`
	`  longitudeOfProjectionCentre: new Degree(19.048571777778),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(0.99993),`
	`  eastingAtProjectionCentre: new Metre(650000),`
	`  northingAtProjectionCentre: new Metre(200000)`
	`)`

HS2-IRF

```
Geographic2D::fromSRID(Geographic2D::EPSG_HS2_IRF)
```

to HS2 Survey Grid (Projected)

EPSG	PHPCoord

Name: HS2-TM
Code:
urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Birmingham and Crewe
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HS2_`
	`↪SURVEY_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.3),`
	`  longitudeOfNaturalOrigin: new Degree(-1.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(198873.0046),`
	`  falseNorthing: new Metre(375064.3871)`
	`)`

HTRS96

```
Geographic2D::fromSRID(Geographic2D::EPSG_HTRS96)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: HTRS96 to ETRS89 (1)
Code:
urn:ogc:def:coordinateOperation:EPS
Extent: Croatia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to HTRS96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code:
urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪HTRS96)`
	`)`

to HTRS96 / Croatia LCC (Projected)

EPSG	PHPCoord

Name: Croatia Lambert Conformal Conic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_HTRS96_CROATIA_LCC),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(16.5),`
	`  latitudeOf1stStandardParallel: new Degree(45.916666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.083333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to HTRS96 / Croatia TM (Projected)

EPSG	PHPCoord

Name: Croatia Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HTRS96_CROATIA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to HTRS96 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to HTRS96 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

HULLEE13-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_HULLEE13_IRF)`

to HULLEE13 Grid (Projected)

EPSG	PHPCoord

Name: HULLEE13-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Leeds to Hull
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HULLEE13_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.75),`
	`  longitudeOfNaturalOrigin: new Degree(-0.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(140859.7394),`
	`  falseNorthing: new Metre(247512.2812)`
	`)`

Hanoi 1972

`Geographic2D::fromSRID(Geographic2D::EPSG_HANOI_1972)`

to Hanoi 1972 / GK 106 NE (Projected)

EPSG	PHPCoord

Name: GK 106 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - onshore Vung Tau area
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HANOI_`
	`↪1972_GK_106_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hanoi 1972 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HANOI_`
	`↪1972_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hanoi 1972 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HANOI_`
	`↪1972_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hanoi 1972 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - onshore Vung Tau area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-17.51),`
	`  yAxisTranslation: new Metre(-108.32),`
	`  zAxisTranslation: new Metre(-62.39)`
	`)`

Hartebeesthoek94

`Geographic2D::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94)`

to Cape (Geographic2D)

EPSG	PHPCoord

Name: Cape to Hartebeesthoek94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  xAxisTranslation: new Metre(134.73),`
	`  yAxisTranslation: new Metre(110.92),`
	`  zAxisTranslation: new Metre(292.66)`
	`)`

to Hartebeesthoek94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪HARTEBEESTHOEK94)`
	`)`

to Hartebeesthoek94 / Lo15 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - Walvis Bay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo17 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - west of 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo19 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 18°E to 20°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo21 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 20°E to 22°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo23 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 22°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo25 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 24°E to 26°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo27 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 26°E to 28°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo29 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 28°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo31 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 30°E to 32°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / Lo33 (Projected)

EPSG	PHPCoord

Name: South African Survey Grid zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - east of 32°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_LO33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hartebeesthoek94 / ZAF BSU Albers 25E (Projected)

EPSG	PHPCoord

Name: South Africa Basic Survey Unit Albers 25E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - mainland - onshore and offshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_ZAF_BSU_ALBERS_25E),`
	`  latitudeOfFalseOrigin: new Degree(-30),`
	`  longitudeOfFalseOrigin: new Degree(25),`
	`  latitudeOf1stStandardParallel: new Degree(-22),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(1400000),`
	`  northingAtFalseOrigin: new Metre(1300000)`
	`)`

to Hartebeesthoek94 / ZAF BSU Albers 44E (Projected)

EPSG	PHPCoord

Name: South Africa Basic Survey Unit Albers 44E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - Prince Edward islands - onshore and offshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HARTEBEESTHOEK94_ZAF_BSU_ALBERS_44E),`
	`  latitudeOfFalseOrigin: new Degree(-42),`
	`  longitudeOfFalseOrigin: new Degree(44),`
	`  latitudeOf1stStandardParallel: new Degree(-34),`
	`  latitudeOf2ndStandardParallel: new Degree(-50),`
	`  eastingAtFalseOrigin: new Metre(1200000),`
	`  northingAtFalseOrigin: new Metre(1300000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hartebeesthoek94 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - South Africa, Lesotho and Eswatini
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Helle 1954

`Geographic2D::fromSRID(Geographic2D::EPSG_HELLE_1954)`

to Helle 1954 / Jan Mayen Grid (Projected)

EPSG	PHPCoord

Name: Jan Mayen Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jan Mayen - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HELLE_`
	`↪1954_JAN_MAYEN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-8.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(-7800000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Helle 1954 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jan Mayen - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(982.6087),`
	`  yAxisTranslation: new Metre(552.753),`
	`  zAxisTranslation: new Metre(-540.873),`
	`  xAxisRotation: new MicroRadian(32.39344),`
	`  yAxisRotation: new MicroRadian(-153.25684),`
	`  zAxisRotation: new MicroRadian(-96.2266),`
	`  scaleDifference: new PartsPerMillion(16.805)`
	`)`

Herat North

`Geographic2D::fromSRID(Geographic2D::EPSG_HERAT_NORTH)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Herat North to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Afghanistan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-333),`
	`  yAxisTranslation: new Metre(-222),`
	`  zAxisTranslation: new Metre(114)`
	`)`

Hito XVIII 1963

`Geographic2D::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963)`

to Hito XVIII 1963 / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HITO_`
	`↪XVIII_1963_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hito XVIII 1963 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HITO_`
	`↪XVIII_1963_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hito XVIII to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Tierra del Fuego onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(18.38),`
	`  yAxisTranslation: new Metre(192.45),`
	`  zAxisTranslation: new Metre(96.82),`
	`  xAxisRotation: new ArcSecond(0.056),`
	`  yAxisRotation: new ArcSecond(-0.142),`
	`  zAxisRotation: new ArcSecond(-0.2),`
	`  scaleDifference: new PartsPerMillion(-0.0013)`
	`)`

Name: Hito XVIII 1963 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(16),`
	`  yAxisTranslation: new Metre(196),`
	`  zAxisTranslation: new Metre(93)`
	`)`

Hjorsey 1955

`Geographic2D::fromSRID(Geographic2D::EPSG_HJORSEY_1955)`

to Hjorsey 1955 / Lambert 1955 (Projected)

EPSG	PHPCoord

Name: Iceland Lambert 1955
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HJORSEY_1955_LAMBERT_1955),`
	`  latitudeOfNaturalOrigin: new Degree(65),`
	`  longitudeOfNaturalOrigin: new Degree(-18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Hjorsey 1955 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HJORSEY_1955_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hjorsey 1955 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HJORSEY_1955_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Hjorsey 1955 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪HJORSEY_1955_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hjorsey 1955 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-73),`
	`  yAxisTranslation: new Metre(47),`
	`  zAxisTranslation: new Metre(-83)`
	`)`

Hong Kong 1963

`Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1963)`

to Hong Kong 1963 Grid System (Projected)

EPSG	PHPCoord

Name: Hong Kong 1963 Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_HONG_KONG_1963_GRID_SYSTEM),`
	`  latitudeOfNaturalOrigin: new Degree(22.312133333333),`
	`  longitudeOfNaturalOrigin: new Degree(114.17855555556),`
	`  falseEasting: new ClarkeFoot(132033.92),`
	`  falseNorthing: new ClarkeFoot(62565.96)`
	`)`

Hong Kong 1963(67)

`Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1963_67)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong 1963(67) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-156),`
	`  yAxisTranslation: new Metre(-271),`
	`  zAxisTranslation: new Metre(-189)`
	`)`

Hong Kong 1980

`Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1980)`

to Hong Kong 1980 Grid System (Projected)

EPSG	PHPCoord

Name: Hong Kong 1980 Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HONG_KONG_1980_GRID_SYSTEM),`
	`  latitudeOfNaturalOrigin: new Degree(22.312133333333),`
	`  longitudeOfNaturalOrigin: new Degree(114.17855555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(836694.05),`
	`  falseNorthing: new Metre(819069.8)`
	`)`

to Hong Kong Geodetic CS (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong 1980 to Hong Kong Geodetic CS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HONG_KONG_GEODETIC_CS),`
	`  xAxisTranslation: new Metre(-162.619),`
	`  yAxisTranslation: new Metre(-276.959),`
	`  zAxisTranslation: new Metre(-161.764),`
	`  xAxisRotation: new ArcSecond(-0.067753),`
	`  yAxisRotation: new ArcSecond(2.243648),`
	`  zAxisRotation: new ArcSecond(1.158828),`
	`  scaleDifference: new PartsPerMillion(-1.094246)`
	`)`

Hong Kong Geodetic CS

`Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_GEODETIC_CS)`

to Hong Kong 1980 (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong 1980 to Hong Kong Geodetic CS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HONG_KONG_1980),`
	`  xAxisTranslation: new Metre(162.619),`
	`  yAxisTranslation: new Metre(276.959),`
	`  zAxisTranslation: new Metre(161.764),`
	`  xAxisRotation: new ArcSecond(0.067753),`
	`  yAxisRotation: new ArcSecond(-2.243648),`
	`  zAxisRotation: new ArcSecond(-1.158828),`
	`  scaleDifference: new PartsPerMillion(1.094246)`
	`)`

to Hong Kong Geodetic CS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_HONG_KONG_GEODETIC_CS)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong Geodetic CS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Hu Tzu Shan 1950

`Geographic2D::fromSRID(Geographic2D::EPSG_HU_TZU_SHAN_1950)`

to Hu Tzu Shan 1950 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_HU_TZU_SHAN_1950_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Hu Tzu Shan 1950 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - onshore - mainland and Penghu
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-637),`
	`  yAxisTranslation: new Metre(-549),`
	`  zAxisTranslation: new Metre(-203)`
	`)`

Hughes 1980

`Geographic2D::fromSRID(Geographic2D::EPSG_HUGHES_1980)`

to NSIDC Sea Ice Polar Stereographic North (Projected)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic north
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_NSIDC_`
	`↪SEA_ICE_POLAR_STEREOGRAPHIC_NORTH),`
	`  latitudeOfStandardParallel: new Degree(70),`
	`  longitudeOfOrigin: new Degree(-45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NSIDC Sea Ice Polar Stereographic South (Projected)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic south
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_NSIDC_`
	`↪SEA_ICE_POLAR_STEREOGRAPHIC_SOUTH),`
	`  latitudeOfStandardParallel: new Degree(-70),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74

`Geographic2D::fromSRID(Geographic2D::EPSG_ID74)`

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: ID74 to DGN95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  xAxisTranslation: new Metre(-1.977),`
	`  yAxisTranslation: new Metre(-13.06),`
	`  zAxisTranslation: new Metre(-9.993),`
	`  xAxisRotation: new ArcSecond(-0.364),`
	`  yAxisRotation: new ArcSecond(-0.254),`
	`  zAxisRotation: new ArcSecond(-0.689),`
	`  scaleDifference: new PartsPerMillion(-1.037)`
	`)`

to ID74 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 47S (Projected)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 51S (Projected)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ID74 / UTM zone 52S (Projected)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ID74 / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IG05 Intermediate CRS

`Geographic2D::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS)`

to IG05 Intermediate CRS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IG05_INTERMEDIATE_CRS)`
	`)`

to IGD05 (Geographic2D)

EPSG	PHPCoord

Name: IGD05 to IG05 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGD05),`
	`  xAxisTranslation: new Metre(23.8085),`
	`  yAxisTranslation: new Metre(17.5937),`
	`  zAxisTranslation: new Metre(17.801),`
	`  xAxisRotation: new ArcSecond(0.3306),`
	`  yAxisRotation: new ArcSecond(1.85706),`
	`  zAxisRotation: new ArcSecond(-1.64828),`
	`  scaleDifference: new PartsPerMillion(-5.4374)`
	`)`

to Israeli Grid 05 (Projected)

EPSG	PHPCoord

Name: Israeli TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ISRAELI_GRID_05),`
	`  latitudeOfNaturalOrigin: new Degree(31.734393611111),`
	`  longitudeOfNaturalOrigin: new Degree(35.204516944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000067),`
	`  falseEasting: new Metre(219529.584),`
	`  falseNorthing: new Metre(626907.39)`
	`)`

IG05/12 Intermediate CRS

`Geographic2D::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS)`

to IG05/12 Intermediate CRS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IG05_12_INTERMEDIATE_CRS)`
	`)`

to IGD05/12 (Geographic2D)

EPSG	PHPCoord

Name: IGD05/12 to IG05/12 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGD05_12),`
	`  xAxisTranslation: new Metre(24.0024),`
	`  yAxisTranslation: new Metre(17.1032),`
	`  zAxisTranslation: new Metre(17.8444),`
	`  xAxisRotation: new ArcSecond(0.33009),`
	`  yAxisRotation: new ArcSecond(1.85269),`
	`  zAxisRotation: new ArcSecond(-1.66969),`
	`  scaleDifference: new PartsPerMillion(-5.4248)`
	`)`

to ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: ITRF2008 to IG05/12 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF2008),`
	`  xAxisTranslation: new Metre(23.772),`
	`  yAxisTranslation: new Metre(17.49),`
	`  zAxisTranslation: new Metre(17.859),`
	`  xAxisRotation: new ArcSecond(0.3132),`
	`  yAxisRotation: new ArcSecond(1.85274),`
	`  zAxisRotation: new ArcSecond(-1.67299),`
	`  scaleDifference: new PartsPerMillion(-5.4262)`
	`)`

to Israeli Grid 05/12 (Projected)

EPSG	PHPCoord

Name: Israeli TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ISRAELI_GRID_05_12),`
	`  latitudeOfNaturalOrigin: new Degree(31.`
	`↪734393611111),`
	`  longitudeOfNaturalOrigin: new Degree(35.`
	`↪204516944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000067),`
	`  falseEasting: new Metre(219529.584),`
	`  falseNorthing: new Metre(626907.39)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: WGS 84 to IG05/12 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(23.772),`
	`  yAxisTranslation: new Metre(17.49),`
	`  zAxisTranslation: new Metre(17.859),`
	`  xAxisRotation: new ArcSecond(0.3132),`
	`  yAxisRotation: new ArcSecond(1.85274),`
	`  zAxisRotation: new ArcSecond(-1.67299),`
	`  scaleDifference: new PartsPerMillion(-5.4262)`
	`)`

IGC 1962 6th Parallel South

`Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH)`

to IGC 1962 / Congo TM zone 12 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 11°E to 13°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 14 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 13°E to 15°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 16 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 15°E to 17°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 18 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 17°E to 19°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 20 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 19°E to 21°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 22 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 21°E to 23°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 24 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 23°E to 25°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 26 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 25°E to 27°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 28 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 27°E to 29°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGC 1962 / Congo TM zone 30 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - east of 29°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGC_`
	`↪1962_CONGO_TM_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGCB 1955

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGCB_1955)
```

to IGCB 1955 / Congo TM zone 12 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 11°E to 13°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGCB_`
	`↪1955_CONGO_TM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGCB 1955 / Congo TM zone 14 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 13°E to 15°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGCB_`
	`↪1955_CONGO_TM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGCB 1955 / Congo TM zone 16 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 15°E to 17°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGCB_`
	`↪1955_CONGO_TM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGCB 1955 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGCB_`
	`↪1955_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IGCB 1955 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Bas Congo
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-79.9),`
	`  yAxisTranslation: new Metre(-158),`
	`  zAxisTranslation: new Metre(-168.9)`
	`)`

IGD05

`Geographic2D::fromSRID(Geographic2D::EPSG_IGD05)`

to IG05 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: IGD05 to IG05 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS),`
	`  xAxisTranslation: new Metre(-23.8085),`
	`  yAxisTranslation: new Metre(-17.5937),`
	`  zAxisTranslation: new Metre(-17.801),`
	`  xAxisRotation: new ArcSecond(-0.3306),`
	`  yAxisRotation: new ArcSecond(-1.85706),`
	`  zAxisRotation: new ArcSecond(1.64828),`
	`  scaleDifference: new PartsPerMillion(5.4374)`
	`)`

to IGD05 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGD05)`
	`)`

to IGD05/12 (Geographic2D)

EPSG	PHPCoord

Name: IGD05 to IGD05/12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Israel
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGD05_12),`
	`  xAxisTranslation: new Metre(0.2255),`
	`  yAxisTranslation: new Metre(-0.3709),`
	`  zAxisTranslation: new Metre(-0.1171),`
	`  xAxisRotation: new ArcSecond(-0.00388),`
	`  yAxisRotation: new ArcSecond(0.00063),`
	`  zAxisRotation: new ArcSecond(-0.0182),`
	`  scaleDifference: new PartsPerMillion(0.013443)`
	`)`

IGD05/12

`Geographic2D::fromSRID(Geographic2D::EPSG_IGD05_12)`

to IG05/12 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: IGD05/12 to IG05/12 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS),`
	`  xAxisTranslation: new Metre(-24.0024),`
	`  yAxisTranslation: new Metre(-17.1032),`
	`  zAxisTranslation: new Metre(-17.8444),`
	`  xAxisRotation: new ArcSecond(-0.33009),`
	`  yAxisRotation: new ArcSecond(-1.85269),`
	`  zAxisRotation: new ArcSecond(1.66969),`
	`  scaleDifference: new PartsPerMillion(5.4248)`
	`)`

to IGD05 (Geographic2D)

EPSG	PHPCoord

Name: IGD05 to IGD05/12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Israel
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGD05),`
	`  xAxisTranslation: new Metre(-0.2255),`
	`  yAxisTranslation: new Metre(0.3709),`
	`  zAxisTranslation: new Metre(0.1171),`
	`  xAxisRotation: new ArcSecond(0.00388),`
	`  yAxisRotation: new ArcSecond(-0.00063),`
	`  zAxisRotation: new ArcSecond(0.0182),`
	`  scaleDifference: new PartsPerMillion(-0.013443)`
	`)`

to IGD05/12 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGD05_12)`
	`)`

IGM95

`Geographic2D::fromSRID(Geographic2D::EPSG_IGM95)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: IGM95 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - including San Marino and Vatican
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to IGM95 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGM95)`
	`)`

to IGM95 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to IGM95 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to IGM95 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGN 1962 Kerguelen

`Geographic2D::fromSRID(Geographic2D::EPSG_IGN_1962_KERGUELEN)`

to IGN 1962 Kerguelen / UTM zone 42S (Projected)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN_1962_KERGUELEN_UTM_ZONE_42S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IGN 1962 Kerguelen to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Southern Territories - Kerguelen onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(145),`
	`  yAxisTranslation: new Metre(-187),`
	`  zAxisTranslation: new Metre(103)`
	`)`

IGN Astro 1960

`Geographic2D::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960)`

to IGN Astro 1960 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to IGN Astro 1960 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to IGN Astro 1960 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN_`
	`↪ASTRO_1960_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGN53 Mare

`Geographic2D::fromSRID(Geographic2D::EPSG_IGN53_MARE)`

to IGN53 Mare / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN53_`
	`↪MARE_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to IGN53 Mare / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN53_`
	`↪MARE_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN56 Lifou

`Geographic2D::fromSRID(Geographic2D::EPSG_IGN56_LIFOU)`

to IGN56 Lifou / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN56_`
	`↪LIFOU_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN63 Hiva Oa

`Geographic2D::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA)`

to IGN63 Hiva Oa / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN63_HIVA_OA_UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: IGN63 Hiva Oa to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Hiva Oa
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  xAxisTranslation: new Metre(410.721),`
	`  yAxisTranslation: new Metre(55.049),`
	`  zAxisTranslation: new Metre(80.746),`
	`  xAxisRotation: new ArcSecond(-2.5779),`
	`  yAxisRotation: new ArcSecond(-2.3514),`
	`  zAxisRotation: new ArcSecond(-0.6664),`
	`  scaleDifference: new PartsPerMillion(17.3311)`
	`)`

Name: IGN63 Hiva Oa to RGPF (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Tahuata
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  xAxisTranslation: new Metre(374.715),`
	`  yAxisTranslation: new Metre(-58.407),`
	`  zAxisTranslation: new Metre(-0.957),`
	`  xAxisRotation: new ArcSecond(-16.2111),`
	`  yAxisRotation: new ArcSecond(-11.4626),`
	`  zAxisRotation: new ArcSecond(-5.5357),`
	`  scaleDifference: new PartsPerMillion(-0.5409)`
	`)`

IGN72 Grande Terre

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE)
```

to IGN72 Grande Terre / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN72_GRANDE_TERRE_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: IGN72 Grande Terre to RGNC91-93 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  offsetsFile: IGNFGeocentricTranslationIGN72GrandeTerreRGNC9193Provider->provideGrid()`
	`)`

Name: IGN72 Grande Terre to RGNC91-93 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  offsetsFile: IGNFGeocentricTranslationIGN72GrandeTerreRGNC9193NoumeaProvider->provideGrid()`
	`)`

IGN72 Nuku Hiva

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA)
```

to IGN72 Nuku Hiva / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGN72_NUKU_HIVA_UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: IGN72 Nuku Hiva to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Nuku Hiva
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  xAxisTranslation: new Metre(165.732),`
	`  yAxisTranslation: new Metre(216.72),`
	`  zAxisTranslation: new Metre(180.505),`
	`  xAxisRotation: new ArcSecond(-0.6434),`
	`  yAxisRotation: new ArcSecond(-0.4512),`
	`  zAxisRotation: new ArcSecond(-0.0791),`
	`  scaleDifference: new PartsPerMillion(7.4204)`
	`)`

Name: IGN72 Nuku Hiva to RGPF (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Ua Huka
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  xAxisTranslation: new Metre(1363.785),`
	`  yAxisTranslation: new Metre(1362.687),`
	`  zAxisTranslation: new Metre(398.811),`
	`  xAxisRotation: new ArcSecond(-4.5322),`
	`  yAxisRotation: new ArcSecond(-6.7579),`
	`  zAxisRotation: new ArcSecond(-1.0574),`
	`  scaleDifference: new PartsPerMillion(268.361)`
	`)`

Name: IGN72 Nuku Hiva to RGPF (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Ua Pou
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  xAxisTranslation: new Metre(259.551),`
	`  yAxisTranslation: new Metre(297.612),`
	`  zAxisTranslation: new Metre(197.833),`
	`  xAxisRotation: new ArcSecond(1.4866),`
	`  yAxisRotation: new ArcSecond(2.1224),`
	`  zAxisRotation: new ArcSecond(0.4612),`
	`  scaleDifference: new PartsPerMillion(27.0249)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IGN72 Nuku Hiva to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Nuku Hiva
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(165.804),`
	`  yAxisTranslation: new Metre(216.213),`
	`  zAxisTranslation: new Metre(180.26),`
	`  xAxisRotation: new ArcSecond(-0.6251),`
	`  yAxisRotation: new ArcSecond(-0.4515),`
	`  zAxisRotation: new ArcSecond(-0.0721),`
	`  scaleDifference: new PartsPerMillion(7.4111)`
	`)`

IGRS

`Geographic2D::fromSRID(Geographic2D::EPSG_IGRS)`

to IGRS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGRS)`
	`)`

to IGRS / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to IGRS / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to IGRS / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Karbala 1979 (Geographic2D)

EPSG	PHPCoord

Name: Karbala 1979 to IGRS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979),`
	`  xAxisTranslation: new Metre(-70.995),`
	`  yAxisTranslation: new Metre(335.916),`
	`  zAxisTranslation: new Metre(-262.898)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IGRS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

IGS00

`Geographic2D::fromSRID(Geographic2D::EPSG_IGS00)`

to IGS00 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS00)`
	`)`

IGS05

`Geographic2D::fromSRID(Geographic2D::EPSG_IGS05)`

to IGS05 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS05)`
	`)`

IGS08

`Geographic2D::fromSRID(Geographic2D::EPSG_IGS08)`

to IGS08 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS08)`
	`)`

IGS14

`Geographic2D::fromSRID(Geographic2D::EPSG_IGS14)`

to IGS14 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS14)`
	`)`

IGS20

`Geographic2D::fromSRID(Geographic2D::EPSG_IGS20)`

to IGS20 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IGS20)`
	`)`

IGS97

`Geographic2D::fromSRID(Geographic2D::EPSG_IGS97)`

to IGS97 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGS97)`
	`)`

IGb00

`Geographic2D::fromSRID(Geographic2D::EPSG_IGB00)`

to IGb00 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGB00)`
	`)`

IGb08

`Geographic2D::fromSRID(Geographic2D::EPSG_IGB08)`

to IGb08 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGB08)`
	`)`

IGb14

```
Geographic2D::fromSRID(Geographic2D::EPSG_IGB14)
```

to IGb14 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_IGB14)`
	`)`

IKBD-92

```
Geographic2D::fromSRID(Geographic2D::EPSG_IKBD_92)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IKBD-92 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq-Kuwait boundary
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

IRENET95

```
Geographic2D::fromSRID(Geographic2D::EPSG_IRENET95)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: IRENET95 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to IRENET95 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪IRENET95)`
	`)`

to IRENET95 / Irish Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Irish Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪IRENET95_IRISH_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99982),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(750000)`
	`)`

to IRENET95 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_IRENET95_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ISN2004

`Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004)`

to ISN2004 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ISN2004)`
	`)`

to ISN2004 / LAEA Europe (Projected)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_ISN2004_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

to ISN2004 / LAEA Iceland (Projected)

EPSG	PHPCoord

Name: Iceland Lambert Azimuthal Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ISN2004_LAEA_ICELAND),`
	`  latitudeOfNaturalOrigin: new Degree(65),`
	`  longitudeOfNaturalOrigin: new Degree(-19),`
	`  falseEasting: new Metre(1700000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to ISN2004 / LCC Europe (Projected)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ISN2004_LCC_EUROPE),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

to ISN2004 / Lambert 2004 (Projected)

EPSG	PHPCoord

Name: Iceland Lambert 2004
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ISN2004_LAMBERT_2004),`
	`  latitudeOfFalseOrigin: new Degree(65),`
	`  longitudeOfFalseOrigin: new Degree(-19),`
	`  latitudeOf1stStandardParallel: new Degree(64.`
	`↪25),`
	`  latitudeOf2ndStandardParallel: new Degree(65.`
	`↪75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(300000)`
	`)`

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: ISN2004 to ISN2016 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016),`
	`  offsetsFile: NTv2ISN2004ISN2016IcelandProvider->provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ISN2004 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

ISN2016

`Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: ISN2004 to ISN2016 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004),`
	`  offsetsFile: NTv2ISN2004ISN2016IcelandProvider->provideGrid()`
	`)`

to ISN2016 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ISN2016)`
	`)`

to ISN2016 / LAEA Europe (Projected)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_ISN2016_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

to ISN2016 / LCC Europe (Projected)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ISN2016_LCC_EUROPE),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

to ISN2016 / Lambert 2016 (Projected)

EPSG	PHPCoord

Name: Iceland Lambert 2016
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ISN2016_LAMBERT_2016),`
	`  latitudeOfFalseOrigin: new Degree(65),`
	`  longitudeOfFalseOrigin: new Degree(-19),`
	`  latitudeOf1stStandardParallel: new Degree(64.`
	`↪25),`
	`  latitudeOf2ndStandardParallel: new Degree(65.`
	`↪75),`
	`  eastingAtFalseOrigin: new Metre(2700000),`
	`  northingAtFalseOrigin: new Metre(300000)`
	`)`

to ISN93 (Geographic2D)

EPSG	PHPCoord

Name: ISN93 to ISN2016 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ISN93),`
	`  offsetsFile: NTv2ISN93ISN2016IcelandProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ISN2016 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

ISN93

`Geographic2D::fromSRID(Geographic2D::EPSG_ISN93)`

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: ISN93 to ISN2016 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016),`
	`  offsetsFile: NTv2ISN93ISN2016IcelandProvider->provideGrid()`
	`)`

to ISN93 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ISN93)`
	`)`

to ISN93 / Lambert 1993 (Projected)

EPSG	PHPCoord

Name: Iceland Lambert 1993
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_ISN93_LAMBERT_1993),`
	`  latitudeOfFalseOrigin: new Degree(65),`
	`  longitudeOfFalseOrigin: new Degree(-19),`
	`  latitudeOf1stStandardParallel: new Degree(64.25),`
	`  latitudeOf2ndStandardParallel: new Degree(65.75),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ISN93 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

ITRF2000

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2000)`

to ITRF2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2000)`
	`)`

ITRF2005

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2005)`

to ITRF2005 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2005)`
	`)`

ITRF2008

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2008)
```

to IG05/12 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: ITRF2008 to IG05/12 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS),`
	`  xAxisTranslation: new Metre(-23.772),`
	`  yAxisTranslation: new Metre(-17.49),`
	`  zAxisTranslation: new Metre(-17.859),`
	`  xAxisRotation: new ArcSecond(-0.3132),`
	`  yAxisRotation: new ArcSecond(-1.85274),`
	`  zAxisRotation: new ArcSecond(1.67299),`
	`  scaleDifference: new PartsPerMillion(5.4262)`
	`)`

to ITRF2008 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2008)`
	`)`

ITRF2014

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2014)
```

to ITRF2014 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2014)`
	`)`

to Segara (Geographic2D)

EPSG	PHPCoord

Name: ITRF2014 to Segara (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan - Mahakam delta
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SEGARA),`
	`  xAxisTranslation: new Metre(407.379),`
	`  yAxisTranslation: new Metre(-685.226),`
	`  zAxisTranslation: new Metre(-52.577),`
	`  xAxisRotation: new ArcSecond(-0.318),`
	`  yAxisRotation: new ArcSecond(0.107),`
	`  zAxisRotation: new ArcSecond(-0.058),`
	`  scaleDifference: new PartsPerMillion(0.207)`
	`)`

ITRF2020

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2020)`

to ITRF2020 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2020)`
	`)`

ITRF88

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF88)`

to ITRF88 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF88)`
	`)`

ITRF89

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF89)`

to ITRF89 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF89)`
	`)`

ITRF90

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF90)`

to ITRF90 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF90)`
	`)`

ITRF91

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF91)`

to ITRF91 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF91)`
	`)`

ITRF92

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF92)`

to ITRF92 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF92)`
	`)`

ITRF93

`Geographic2D::fromSRID(Geographic2D::EPSG_ITRF93)`

to ITRF93 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF93)`
	`)`

ITRF94

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF94)
```

to ITRF94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF94)`
	`)`

ITRF96

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF96)
```

to ITRF96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF96)`
	`)`

ITRF97

```
Geographic2D::fromSRID(Geographic2D::EPSG_ITRF97)
```

to ITRF97 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF97)`
	`)`

Indian 1954

`Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1954)`

to Indian 1954 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1954_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Indian 1954 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1954_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Indian 1954 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1954_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1954 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Thailand - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(217),`
	`  yAxisTranslation: new Metre(823),`
	`  zAxisTranslation: new Metre(299)`
	`)`

Indian 1960

`Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960)`

to Indian 1960 / TM 106 NE (Projected)

EPSG	PHPCoord

Name: TM 106 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - offshore Cuu Long basin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1960_TM_106_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Indian 1960 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1960_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Indian 1960 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1960_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Indian 1960 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - offshore Cuu Long basin
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(199),`
	`  yAxisTranslation: new Metre(931),`
	`  zAxisTranslation: new Metre(317)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1960 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 14°N to 18°N onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(198),`
	`  yAxisTranslation: new Metre(881),`
	`  zAxisTranslation: new Metre(317)`
	`)`

Name: Indian 1960 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Con Son Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(182),`
	`  yAxisTranslation: new Metre(915),`
	`  zAxisTranslation: new Metre(344)`
	`)`

Indian 1975

`Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1975)`

to Indian 1975 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1975_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Indian 1975 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_INDIAN_`
	`↪1975_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1975 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Thailand - onshore and Gulf of Thailand
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(210),`
	`  yAxisTranslation: new Metre(814),`
	`  zAxisTranslation: new Metre(289)`
	`)`

Name: Indian 1975 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Thailand - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(293),`
	`  yAxisTranslation: new Metre(836),`
	`  zAxisTranslation: new Metre(318),`
	`  xAxisRotation: new ArcSecond(0.5),`
	`  yAxisRotation: new ArcSecond(1.6),`
	`  zAxisRotation: new ArcSecond(-2.8),`
	`  scaleDifference: new PartsPerMillion(2.1)`
	`)`

Israel 1993

```
Geographic2D::fromSRID(Geographic2D::EPSG_ISRAEL_1993)
```

to Israel 1993 / Israeli TM Grid (Projected)

EPSG	PHPCoord

Name: Israeli TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ISRAEL_`
	`↪1993_ISRAELI_TM_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(31.`
	`↪734393611111),`
	`  longitudeOfNaturalOrigin: new Degree(35.`
	`↪204516944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000067),`
	`  falseEasting: new Metre(219529.584),`
	`  falseNorthing: new Metre(626907.39)`
	`)`

to Palestine 1923 (Geographic2D)

EPSG	PHPCoord

Name: Palestine 1923 to Israel 1993 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PALESTINE_1923),`
	`  xAxisTranslation: new Metre(181),`
	`  yAxisTranslation: new Metre(122),`
	`  zAxisTranslation: new Metre(-225)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Israel 1993 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(23.772),`
	`  yAxisTranslation: new Metre(17.49),`
	`  zAxisTranslation: new Metre(17.859),`
	`  xAxisRotation: new ArcSecond(0.3132),`
	`  yAxisRotation: new ArcSecond(1.85274),`
	`  zAxisRotation: new ArcSecond(-1.67299),`
	`  scaleDifference: new PartsPerMillion(-5.4262)`
	`)`

Iwo Jima 1945

`Geographic2D::fromSRID(Geographic2D::EPSG_IWO_JIMA_1945)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Iwo Jima 1945 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Iwo Jima
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(145),`
	`  yAxisTranslation: new Metre(75),`
	`  zAxisTranslation: new Metre(-272)`
	`)`

JAD2001

`Geographic2D::fromSRID(Geographic2D::EPSG_JAD2001)`

to JAD2001 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_JAD2001)`
	`)`

to JAD2001 / Jamaica Metric Grid (Projected)

EPSG	PHPCoord

Name: Jamaica Metric Grid 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_JAD2001_JAMAICA_METRIC_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(18),`
	`  longitudeOfNaturalOrigin: new Degree(-77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(650000)`
	`)`

to JAD2001 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JAD2001 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JAD2001_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JAD69 (Geographic2D)

EPSG	PHPCoord

Name: JAD69 to JAD2001 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JAD69),`
	`  xAxisTranslation: new Metre(33.722),`
	`  yAxisTranslation: new Metre(-153.789),`
	`  zAxisTranslation: new Metre(-94.959),`
	`  xAxisRotation: new ArcSecond(-8.581),`
	`  yAxisRotation: new ArcSecond(-4.478),`
	`  zAxisRotation: new ArcSecond(4.54),`
	`  scaleDifference: new PartsPerMillion(-8.95)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: JAD2001 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

JAD69

```
Geographic2D::fromSRID(Geographic2D::EPSG_JAD69)
```

to JAD2001 (Geographic2D)

EPSG	PHPCoord

Name: JAD69 to JAD2001 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JAD2001),`
	`  xAxisTranslation: new Metre(-33.722),`
	`  yAxisTranslation: new Metre(153.789),`
	`  zAxisTranslation: new Metre(94.959),`
	`  xAxisRotation: new ArcSecond(8.581),`
	`  yAxisRotation: new ArcSecond(4.478),`
	`  zAxisRotation: new ArcSecond(-4.54),`
	`  scaleDifference: new PartsPerMillion(8.95)`
	`)`

to JAD69 / Jamaica National Grid (Projected)

EPSG	PHPCoord

Name: Jamaica National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_JAD69_JAMAICA_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(18),`
	`  longitudeOfNaturalOrigin: new Degree(-77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(150000)`
	`)`

JGD2000

```
Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000)
```

to JGD2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪JGD2000)`
	`)`

to JGD2000 / Japan Plane Rectangular CS I (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone I
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_I),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(129.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS II (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone II
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_II),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS III (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone III
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_III),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(132.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS IV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_IV),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS IX (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IX
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_IX),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(139.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS V (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_V),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(134.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS VI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VI),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS VII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VII),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(137.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS VIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VIII),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(138.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS X (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone X
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone X
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_X),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(140.`
	`↪83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XI),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(140.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XII),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(142.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIII),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(144.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XIV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIV),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XIX (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIX),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XV),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XVI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVI),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(124),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XVII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVII),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / Japan Plane Rectangular CS XVIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVIII),`
	`  latitudeOfNaturalOrigin: new Degree(20),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / UTM zone 53N (Projected)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_UTM_ZONE_53N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2000_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2000 / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: JGD2000 to JGD2011 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan excluding northern main province
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Name: JGD2000 to JGD2011 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - northern Honshu
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  offsetsFile: NTv2JGD2000JGD2011JapanProvider->provideGrid()`
	`)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Tokyo to JGD2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  xAxisTranslation: new Metre(146.414),`
	`  yAxisTranslation: new Metre(-507.337),`
	`  zAxisTranslation: new Metre(-680.507)`
	`)`

Name: Tokyo to JGD2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  offsetsFile: NTv2TokyoJGD2000JapanProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: JGD2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan excluding northern main province
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Name: JGD2000 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - northern Honshu
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile: NTv2JGD2000JGD2011JapanProvider->`
	`↪provideGrid()`
	`)`

JGD2011

`Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: JGD2000 to JGD2011 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan excluding northern main province
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

Name: JGD2000 to JGD2011 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - northern Honshu
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  offsetsFile: NTv2JGD2000JGD2011JapanProvider->provideGrid()`
	`)`

to JGD2011 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_JGD2011)`
	`)`

to JGD2011 / Japan Plane Rectangular CS I (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone I
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_I),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(129.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS II (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone II
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_II),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS III (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone III
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_III),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(132.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS IV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IV),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS IX (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IX
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IX),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(139.`
	`↪83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS V (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_V),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(134.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS VI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VI),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS VII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VII),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(137.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS VIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VIII),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(138.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS X (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone X
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone X
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_X),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(140.`
	`↪83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XI),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(140.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XII),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(142.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIII),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(144.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XIV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIV),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XIX (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIX),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XV),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XVI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVI),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(124),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XVII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVII),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / Japan Plane Rectangular CS XVIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVIII),`
	`  latitudeOfNaturalOrigin: new Degree(20),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / UTM zone 53N (Projected)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_UTM_ZONE_53N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to JGD2011 / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪JGD2011_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Tokyo to JGD2011 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan onshore excluding northern main province
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  offsetsFile: NTv2TokyoJGD2000JapanProvider->provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: JGD2011 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Jamaica 1875

`Geographic2D::fromSRID(Geographic2D::EPSG_JAMAICA_1875)`

to Jamaica 1875 / Jamaica (Old Grid) (Projected)

EPSG	PHPCoord

Name: Jamaica (Old Grid)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_JAMAICA_1875_JAMAICA_OLD_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(18),`
	`  longitudeOfNaturalOrigin: new Degree(-77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new ClarkeFoot(550000),`
	`  falseNorthing: new ClarkeFoot(400000)`
	`)`

Johnston Island 1961

```
Geographic2D::fromSRID(Geographic2D::EPSG_JOHNSTON_ISLAND_1961)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Johnston Island 1961 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Johnston Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(189),`
	`  yAxisTranslation: new Metre(-79),`
	`  zAxisTranslation: new Metre(-202)`
	`)`

Jouik 1961

```
Geographic2D::fromSRID(Geographic2D::EPSG_JOUIK_1961)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Jouik 1961 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritania - north coast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-80.01),`
	`  yAxisTranslation: new Metre(253.26),`
	`  zAxisTranslation: new Metre(291.19)`
	`)`

KGD2002

```
Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002)
```

to KGD2002 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_KGD2002)`
	`)`

to KGD2002 / Central Belt (Projected)

EPSG	PHPCoord

Name: Korea Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 126°E to 128°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to KGD2002 / Central Belt 2010 (Projected)

EPSG	PHPCoord

Name: Korea Central Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_2010),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

to KGD2002 / Central Belt Jeju (Projected)

EPSG	PHPCoord

Name: Korea Central Belt Jeju
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E Jeju
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_CENTRAL_BELT_JEJU),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(550000)`
	`)`

to KGD2002 / East Belt (Projected)

EPSG	PHPCoord

Name: Korea East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 128°E to 130°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_EAST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to KGD2002 / East Belt 2010 (Projected)

EPSG	PHPCoord

Name: Korea East Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 128°E to 130°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_EAST_BELT_2010),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

to KGD2002 / East Sea Belt (Projected)

EPSG	PHPCoord

Name: Korea East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - east of 130°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_EAST_SEA_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to KGD2002 / East Sea Belt 2010 (Projected)

EPSG	PHPCoord

Name: Korea East Sea Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 130°E to 132°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_EAST_SEA_BELT_2010),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

to KGD2002 / Unified CS (Projected)

EPSG	PHPCoord

Name: Korea Unified Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea)
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_UNIFIED_CS),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to KGD2002 / West Belt (Projected)

EPSG	PHPCoord

Name: Korea West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - west of 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_WEST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to KGD2002 / West Belt 2010 (Projected)

EPSG	PHPCoord

Name: Korea West Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 124°E to 126°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KGD2002_WEST_BELT_2010),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korean 1985 to KGD2002 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  xAxisTranslation: new Metre(145.907),`
	`  yAxisTranslation: new Metre(-505.034),`
	`  zAxisTranslation: new Metre(-685.756),`
	`  xAxisRotation: new ArcSecond(1.162),`
	`  yAxisRotation: new ArcSecond(-2.347),`
	`  zAxisRotation: new ArcSecond(-1.592),`
	`  scaleDifference: new PartsPerMillion(-6.342),`
	`  ordinate1OfEvaluationPoint: new Metre(-3159521.31),`
	`  ordinate2OfEvaluationPoint: new Metre(4068151.32),`
	`  ordinate3OfEvaluationPoint: new Metre(3748113.85)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: KGD2002 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

KK-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_KK_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to KK-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - Copenhagen
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: ETRS89KKIRFProvider->provideGrid()`
	`)`

to KK reconstruction east-orientated (Projected)

EPSG	PHPCoord

Name: Generalstabens System LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_KK_RECONSTRUCTION_EAST_ORIENTATED),`
	`  latitudeOfNaturalOrigin: new Degree(56),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(55),`
	`  longitudeOfFalseOrigin: new Degree(10.37775),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

KKJ

`Geographic2D::fromSRID(Geographic2D::EPSG_KKJ)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: KKJ to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(-96.062),`
	`  yAxisTranslation: new Metre(-82.428),`
	`  zAxisTranslation: new Metre(-121.753),`
	`  xAxisRotation: new ArcSecond(-4.801),`
	`  yAxisRotation: new ArcSecond(-0.345),`
	`  zAxisRotation: new ArcSecond(1.376),`
	`  scaleDifference: new PartsPerMillion(1.496)`
	`)`

to KKJ / Finland Uniform Coordinate System (Projected)

EPSG	PHPCoord

Name: Finland Uniform Coordinate System
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 25.5°E to 28.5°E onshore, Finland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_UNIFORM_COORDINATE_SYSTEM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KKJ / Finland zone 0 (Projected)

EPSG	PHPCoord

Name: Finland zone 0
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - west of 19.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_0),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KKJ / Finland zone 1 (Projected)

EPSG	PHPCoord

Name: Finland zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 19.5°E to 22.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KKJ_`
	`↪FINLAND_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KKJ / Finland zone 2 (Projected)

EPSG	PHPCoord

Name: Finland zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 22.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KKJ_`
	`↪FINLAND_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KKJ / Finland zone 4 (Projected)

EPSG	PHPCoord

Name: Finland zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 28.5°E to 31.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KKJ_`
	`↪FINLAND_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KKJ / Finland zone 5 (Projected)

EPSG	PHPCoord

Name: Finland zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - east of 31.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KOC

`Geographic2D::fromSRID(Geographic2D::EPSG_KOC)`

to KOC Lambert (Projected)

EPSG	PHPCoord

Name: Iraq zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq zone
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KOC_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9987864078),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(1166200)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: KOC to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-294.7),`
	`  yAxisTranslation: new Metre(-200.1),`
	`  zAxisTranslation: new Metre(525.5)`
	`)`

KOSOVAREF01

`Geographic2D::fromSRID(Geographic2D::EPSG_KOSOVAREF01)`

to KOSOVAREF01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_KOSOVAREF01)`
	`)`

to KOSOVAREF01 / Balkans zone 7 (Projected)

EPSG	PHPCoord

Name: Balkans zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia, Europe - former Yugoslavia onshore 19.5°E to 22.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOSOVAREF01_BALKANS_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to KOSOVAREF01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kosovo
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-628.54052),`
	`  yAxisTranslation: new Metre(-192.2538),`
	`  zAxisTranslation: new Metre(-498.43507),`
	`  xAxisRotation: new ArcSecond(13.79189),`
	`  yAxisRotation: new ArcSecond(0.81467),`
	`  zAxisRotation: new ArcSecond(-41.21533),`
	`  scaleDifference: new PartsPerMillion(17.40368)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: KOSOVAREF01 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kosovo
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

KSA-GRF17

`Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17)`

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: Ain el Abd to KSA-GRF17 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AIN_EL_ABD),`
	`  xAxisTranslation: new Metre(-13.8714),`
	`  yAxisTranslation: new Metre(83.9721),`
	`  zAxisTranslation: new Metre(-101.674)`
	`)`

to KSA-GRF17 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_KSA_GRF17)`
	`)`

to KSA-GRF17 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KSA-GRF17 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KSA-GRF17 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KSA-GRF17 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to KSA-GRF17 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: MTRF-2000 to KSA-GRF17 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MTRF_2000),`
	`  xAxisTranslation: new Metre(-0.0469),`
	`  yAxisTranslation: new Metre(0.2827),`
	`  zAxisTranslation: new Metre(-0.0866),`
	`  xAxisRotation: new ArcSecond(-0.00559),`
	`  yAxisRotation: new ArcSecond(0.004981),`
	`  zAxisRotation: new ArcSecond(-0.023108),`
	`  scaleDifference: new PartsPerMillion(0.008051)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: KSA-GRF17 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(-0.008393),`
	`  yAxisRotation: new ArcSecond(0.000749),`
	`  zAxisRotation: new ArcSecond(-0.010276),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

KUDAMS

`Geographic2D::fromSRID(Geographic2D::EPSG_KUDAMS)`

to KUDAMS / KTM (Projected)

EPSG	PHPCoord

Name: Kuwait Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - Kuwait City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KUDAMS_KTM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kudams to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - Kuwait City
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(226.702),`
	`  yAxisTranslation: new Metre(-193.337),`
	`  zAxisTranslation: new Metre(-35.371),`
	`  xAxisRotation: new ArcSecond(2.229),`
	`  yAxisRotation: new ArcSecond(4.391),`
	`  zAxisRotation: new ArcSecond(-9.238),`
	`  scaleDifference: new PartsPerMillion(0.9798)`
	`)`

Kalianpur 1880

`Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880)`

to Kalianpur 1880 / India zone 0 (Projected)

EPSG	PHPCoord

Name: India zone 0
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - north of 35°35'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_0),`
	`  latitudeOfNaturalOrigin: new Degree(39.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99846154),`
	`  falseEasting: new IndianYard(2355500),`
	`  falseNorthing: new IndianYard(2590000)`
	`)`

to Kalianpur 1880 / India zone I (Projected)

EPSG	PHPCoord

Name: India zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - India; Pakistan - 28°N to 35°35'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

to Kalianpur 1880 / India zone IIIa (Projected)

EPSG	PHPCoord

Name: India zone IIIa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore 15°N to 21°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIIA),`
	`  latitudeOfNaturalOrigin: new Degree(19),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

to Kalianpur 1880 / India zone IIa (Projected)

EPSG	PHPCoord

Name: India zone IIa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - India; Pakistan - onshore 21°N to 28°N and west of 82°E
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIA),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

to Kalianpur 1880 / India zone IIb (Projected)

EPSG	PHPCoord

Name: India zone IIb
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Bangladesh; India; Myanmar; Pakistan - zone IIb
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIB),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

to Kalianpur 1880 / India zone IVa (Projected)

EPSG	PHPCoord

Name: India zone IVa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - mainland south of 15°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IVA),`
	`  latitudeOfNaturalOrigin: new Degree(12),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

Kalianpur 1937

`Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1937)`

to Kalianpur 1937 / India zone IIb (Projected)

EPSG	PHPCoord

Name: India zone IIb (1937 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_INDIA_ZONE_IIB),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743185.69),`
	`  falseNorthing: new Metre(914395.23)`
	`)`

to Kalianpur 1937 / UTM zone 45N (Projected)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_45N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1937 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1937_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kalianpur 1937 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(282),`
	`  yAxisTranslation: new Metre(726),`
	`  zAxisTranslation: new Metre(254)`
	`)`

Name: Kalianpur 1937 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Myanmar (Burma) - Moattama area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(214),`
	`  yAxisTranslation: new Metre(804),`
	`  zAxisTranslation: new Metre(268)`
	`)`

Kalianpur 1962

`Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962)`

to Kalianpur 1962 / India zone I (Projected)

EPSG	PHPCoord

Name: India zone I (1962 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - 28°N to 35°35'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743196.4),`
	`  falseNorthing: new Metre(914398.8)`
	`)`

to Kalianpur 1962 / India zone IIa (Projected)

EPSG	PHPCoord

Name: India zone IIa (1962 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - onshore south of 28°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_IIA),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743196.4),`
	`  falseNorthing: new Metre(914398.8)`
	`)`

to Kalianpur 1962 / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1962_UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1962 / UTM zone 42N (Projected)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1962_UTM_ZONE_42N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1962 / UTM zone 43N (Projected)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1962_UTM_ZONE_43N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kalianpur 1962 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - Gambat
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(274.164),`
	`  yAxisTranslation: new Metre(677.282),`
	`  zAxisTranslation: new Metre(226.704)`
	`)`

Name: Kalianpur 1962 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - offshore Indus
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(275.57),`
	`  yAxisTranslation: new Metre(676.78),`
	`  zAxisTranslation: new Metre(229.6)`
	`)`

Name: Kalianpur 1962 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - Badin and Mehran
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(278.9),`
	`  yAxisTranslation: new Metre(684.39),`
	`  zAxisTranslation: new Metre(226.05)`
	`)`

Name: Kalianpur 1962 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - Karachi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(271.905),`
	`  yAxisTranslation: new Metre(669.593),`
	`  zAxisTranslation: new Metre(231.495)`
	`)`

Name: Kalianpur 1962 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - East Sind
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(230.25),`
	`  yAxisTranslation: new Metre(632.76),`
	`  zAxisTranslation: new Metre(161.03),`
	`  xAxisRotation: new ArcSecond(-1.114),`
	`  yAxisRotation: new ArcSecond(1.115),`
	`  zAxisRotation: new ArcSecond(1.212),`
	`  scaleDifference: new PartsPerMillion(12.584)`
	`)`

Kalianpur 1975

```
Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975)
```

to Kalianpur 1975 / India zone I (Projected)

EPSG	PHPCoord

Name: India zone I (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - north of 28°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

to Kalianpur 1975 / India zone IIIa (Projected)

EPSG	PHPCoord

Name: India zone IIIa (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore 15°N to 21°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIIA),`
	`  latitudeOfNaturalOrigin: new Degree(19),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

to Kalianpur 1975 / India zone IIa (Projected)

EPSG	PHPCoord

Name: India zone IIa (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore 21°N to 28°N and west of 82°E
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_INDIA_ZONE_IIA),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

to Kalianpur 1975 / India zone IIb (Projected)

EPSG	PHPCoord

Name: India zone IIb (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore north of 21°N and east of 82°E
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_INDIA_ZONE_IIB),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

to Kalianpur 1975 / India zone IVa (Projected)

EPSG	PHPCoord

Name: India zone IVa (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - mainland south of 15°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_INDIA_ZONE_IVA),`
	`  latitudeOfNaturalOrigin: new Degree(12),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

to Kalianpur 1975 / UTM zone 42N (Projected)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_UTM_ZONE_42N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1975 / UTM zone 43N (Projected)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_UTM_ZONE_43N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1975 / UTM zone 44N (Projected)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_UTM_ZONE_44N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1975 / UTM zone 45N (Projected)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_UTM_ZONE_45N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1975 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kalianpur 1975 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KALIANPUR_1975_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kandawala

`Geographic2D::fromSRID(Geographic2D::EPSG_KANDAWALA)`

to Kandawala / Sri Lanka Grid (Projected)

EPSG	PHPCoord

Name: Sri Lanka Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KANDAWALA_SRI_LANKA_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(7.0004802777778),`
	`  longitudeOfNaturalOrigin: new Degree(80.771711111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999238418),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kandawala to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-97),`
	`  yAxisTranslation: new Metre(787),`
	`  zAxisTranslation: new Metre(86)`
	`)`

Karbala 1979

`Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979)`

to IGRS (Geographic2D)

EPSG	PHPCoord

Name: Karbala 1979 to IGRS (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGRS),`
	`  xAxisTranslation: new Metre(70.995),`
	`  yAxisTranslation: new Metre(-335.916),`
	`  zAxisTranslation: new Metre(262.898)`
	`)`

to Karbala 1979 / Iraq National Grid (Projected)

EPSG	PHPCoord

Name: Iraq National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KARBALA_1979_IRAQ_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(29.026268333333),`
	`  longitudeOfNaturalOrigin: new Degree(46.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9994),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Karbala 1979 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Karbala 1979 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KARBALA_1979_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Karbala 1979 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KARBALA_1979_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kasai 1953

`Geographic2D::fromSRID(Geographic2D::EPSG_KASAI_1953)`

to Kasai 1953 / Congo TM zone 22 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 21°E to 23°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KASAI_`
	`↪1953_CONGO_TM_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Kasai 1953 / Congo TM zone 24 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 23°E to 25°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KASAI_`
	`↪1953_CONGO_TM_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Katanga 1955

`Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955)`

to Katanga 1955 / Katanga Gauss zone A (Projected)

EPSG	PHPCoord

Name: Katanga Gauss zone A
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga east of 28.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KATANGA_1955_KATANGA_GAUSS_ZONE_A),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Katanga 1955 / Katanga Gauss zone B (Projected)

EPSG	PHPCoord

Name: Katanga Gauss zone B
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga 26.5°E to 29.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KATANGA_1955_KATANGA_GAUSS_ZONE_B),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Katanga 1955 / Katanga Gauss zone C (Projected)

EPSG	PHPCoord

Name: Katanga Gauss zone C
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga 24.5°E to 27.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KATANGA_1955_KATANGA_GAUSS_ZONE_C),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Katanga 1955 / Katanga Gauss zone D (Projected)

EPSG	PHPCoord

Name: Katanga Gauss zone D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga west of 25.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KATANGA_1955_KATANGA_GAUSS_ZONE_D),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Katanga 1955 / Katanga Lambert (Projected)

EPSG	PHPCoord

Name: Katanga Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪KATANGA_1955_KATANGA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-9),`
	`  longitudeOfFalseOrigin: new Degree(26),`
	`  latitudeOf1stStandardParallel: new Degree(-6.`
	`↪5),`
	`  latitudeOf2ndStandardParallel: new Degree(-11.`
	`↪5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Katanga 1955 to RGRDC 2005 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga - Lubumbashi area
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  xAxisTranslation: new Metre(-102.283),`
	`  yAxisTranslation: new Metre(-10.277),`
	`  zAxisTranslation: new Metre(-257.396),`
	`  xAxisRotation: new ArcSecond(-3.976),`
	`  yAxisRotation: new ArcSecond(-0.002),`
	`  zAxisRotation: new ArcSecond(-6.203),`
	`  scaleDifference: new PartsPerMillion(12.315),`
	`  ordinate1OfEvaluationPoint: new Metre(5580868.818),`
	`  ordinate2OfEvaluationPoint: new Metre(2826402.46),`
	`  ordinate3OfEvaluationPoint: new Metre(-1243557.996)`
	`)`

Kertau (RSO)

`Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_RSO)`

to Kertau (RSO) / RSO Malaya (ch) (Projected)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Malaya Grid (chain)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - onshore
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_CH),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(102.25),`
	`  azimuthOfInitialLine: new Degree(323.0257905),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new␣BritishChain1922SearsTruncated(40000),`
	`  falseNorthing: new␣BritishChain1922SearsTruncated(0)`
	`)`

to Kertau (RSO) / RSO Malaya (m) (Projected)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Malaya Grid (metre)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - onshore
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_M),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(102.25),`
	`  azimuthOfInitialLine: new Degree(323.0257905),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(804670.24),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Kertau (RSO) to Kertau 1968 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Malaysia (west) and Singapore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Kertau 1968

`Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968)`

to Kertau (RSO) (Geographic2D)

EPSG	PHPCoord

Name: Kertau (RSO) to Kertau 1968 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Malaysia (west) and Singapore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_RSO),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Kertau 1968 / Johor Grid (Projected)

EPSG	PHPCoord

Name: Johor Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Johor
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_JOHOR_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.0425833333333),`
	`  longitudeOfNaturalOrigin: new Degree(103.56275833333),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / Kedah and Perlis Grid (Projected)

EPSG	PHPCoord

Name: Kedah and Perlis Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kedah and Perlis
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_KEDAH_AND_PERLIS_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.9651472222222),`
	`  longitudeOfNaturalOrigin: new Degree(100.63759444444),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / Kelantan Grid (Projected)

EPSG	PHPCoord

Name: Kelantan Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kelantan
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_KELANTAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.8939222222222),`
	`  longitudeOfNaturalOrigin: new Degree(102.17729166667),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / Pahang Grid (Projected)

EPSG	PHPCoord

Name: Pahang Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pahang
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_PAHANG_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(3.7109722222222),`
	`  longitudeOfNaturalOrigin: new Degree(102.43617777778),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / Perak Revised Grid (Projected)

EPSG	PHPCoord

Name: Perak Revised Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Perak
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_PERAK_REVISED_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.8593805555556),`
	`  longitudeOfNaturalOrigin: new Degree(100.81676666667),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(133453.669)`
	`)`

to Kertau 1968 / Pinang Grid (Projected)

EPSG	PHPCoord

Name: Pinang Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pulau Pinang
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_`
	`↪1968_PINANG_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.421325),`
	`  longitudeOfNaturalOrigin: new Degree(100.`
	`↪34586944444),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / Selangor Grid (Projected)

EPSG	PHPCoord

Name: Selangor Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Selangor
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_`
	`↪1968_SELANGOR_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(3.`
	`↪6803444444444),`
	`  longitudeOfNaturalOrigin: new Degree(101.`
	`↪50824444444),`
	`  falseEasting: new Metre(-21759.438),`
	`  falseNorthing: new Metre(55960.906)`
	`)`

to Kertau 1968 / Sembilan and Melaka Grid (Projected)

EPSG	PHPCoord

Name: Sembilan and Melaka Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Sembilan and Melaka
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_`
	`↪1968_SEMBILAN_AND_MELAKA_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.`
	`↪7122833333333),`
	`  longitudeOfNaturalOrigin: new Degree(101.`
	`↪94116666667),`
	`  falseEasting: new Metre(-242.005),`
	`  falseNorthing: new Metre(-948.547)`
	`)`

to Kertau 1968 / Singapore Grid (Projected)

EPSG	PHPCoord

Name: Singapore Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Singapore
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_SINGAPORE_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(1.2876466666667),`
	`  longitudeOfNaturalOrigin: new Degree(103.85300222222),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(30000)`
	`)`

to Kertau 1968 / Terengganu Grid (Projected)

EPSG	PHPCoord

Name: Terengganu Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Terengganu
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_TERENGGANU_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.9461416666667),`
	`  longitudeOfNaturalOrigin: new Degree(102.89520833333),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Kertau 1968 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KERTAU_`
	`↪1968_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kertau 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Malaysia (west including SCS) and Singapore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-11),`
	`  yAxisTranslation: new Metre(851),`
	`  zAxisTranslation: new Metre(5)`
	`)`

Korean 1985

`Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985)`

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korean 1985 to KGD2002 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  xAxisTranslation: new Metre(-145.907),`
	`  yAxisTranslation: new Metre(505.034),`
	`  zAxisTranslation: new Metre(685.756),`
	`  xAxisRotation: new ArcSecond(-1.162),`
	`  yAxisRotation: new ArcSecond(2.347),`
	`  zAxisRotation: new ArcSecond(1.592),`
	`  scaleDifference: new PartsPerMillion(6.342),`
	`  ordinate1OfEvaluationPoint: new Metre(-3159521.31),`
	`  ordinate2OfEvaluationPoint: new Metre(4068151.32),`
	`  ordinate3OfEvaluationPoint: new Metre(3748113.85)`
	`)`

to Korean 1985 / Central Belt (Projected)

EPSG	PHPCoord

Name: Korea Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 126°E to 128°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / Central Belt Jeju (Projected)

EPSG	PHPCoord

Name: Korea Central Belt Jeju
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E Jeju
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_CENTRAL_BELT_JEJU),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(550000)`
	`)`

to Korean 1985 / East Belt (Projected)

EPSG	PHPCoord

Name: Korea East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 128°E to 130°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_EAST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / East Sea Belt (Projected)

EPSG	PHPCoord

Name: Korea East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - east of 130°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_EAST_SEA_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / Modified Central Belt (Projected)

EPSG	PHPCoord

Name: Korea Modified Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_MODIFIED_CENTRAL_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / Modified Central Belt Jeju (Projected)

EPSG	PHPCoord

Name: Korea Modified Central Belt Jeju
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E Jeju
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_MODIFIED_CENTRAL_BELT_JEJU),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(550000)`
	`)`

to Korean 1985 / Modified East Belt (Projected)

EPSG	PHPCoord

Name: Korea Modified East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 128°E to 130°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_MODIFIED_EAST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / Modified East Sea Belt (Projected)

EPSG	PHPCoord

Name: Korea Modified East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 130°E to 132°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_MODIFIED_EAST_SEA_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / Modified West Belt (Projected)

EPSG	PHPCoord

Name: Korea Modified West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 124°E to 126°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_MODIFIED_WEST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Korean 1985 / Unified CS (Projected)

EPSG	PHPCoord

Name: Korea Unified Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea)
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_UNIFIED_CS),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to Korean 1985 / West Belt (Projected)

EPSG	PHPCoord

Name: Korea West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - west of 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOREAN_`
	`↪1985_WEST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Tokyo 1892 (Geographic2D)

EPSG	PHPCoord

Name: Tokyo 1892 to Korean 1985 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO_1892),`
	`  longitudeOffset: new ArcSecond(-10.405)`
	`)`

Korean 1995

`Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1995)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Korean 1995 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Kousseri

`Geographic2D::fromSRID(Geographic2D::EPSG_KOUSSERI)`

to Kousseri / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KOUSSERI_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Kousseri to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - N'Djamena area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  xAxisTranslation: new Metre(-104.4),`
	`  yAxisTranslation: new Metre(-136.6),`
	`  zAxisTranslation: new Metre(201.2)`
	`)`

Kusaie 1951

`Geographic2D::fromSRID(Geographic2D::EPSG_KUSAIE_1951)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kusaie 1951 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Micronesia - Kosrae (Kusaie)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(647),`
	`  yAxisTranslation: new Metre(1777),`
	`  zAxisTranslation: new Metre(-1124)`
	`)`

Kyrg-06

`Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06)`

to Kyrg-06 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪KYRG_06)`
	`)`

to Kyrg-06 / zone 1 (Projected)

EPSG	PHPCoord

Name: Kyrgyzstan zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - west of 70°01'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KYRG_`
	`↪06_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(68.`
	`↪516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

to Kyrg-06 / zone 2 (Projected)

EPSG	PHPCoord

Name: Kyrgyzstan zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - 70°01'E to 73°01'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KYRG_`
	`↪06_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(71.`
	`↪516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

to Kyrg-06 / zone 3 (Projected)

EPSG	PHPCoord

Name: Kyrgyzstan zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - 73°01'E to 76°01'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KYRG_`
	`↪06_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(74.`
	`↪516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

to Kyrg-06 / zone 4 (Projected)

EPSG	PHPCoord

Name: Kyrgyzstan zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - 76°01'E to 79°01'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KYRG_`
	`↪06_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(77.`
	`↪516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

to Kyrg-06 / zone 5 (Projected)

EPSG	PHPCoord

Name: Kyrgyzstan zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - east of 79°01'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(80.516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kyrg-06 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

LGD2006

`Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: ELD79 to LGD2006 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  xAxisTranslation: new Metre(-92.5515),`
	`  yAxisTranslation: new Metre(-10.8194),`
	`  zAxisTranslation: new Metre(149.8852)`
	`)`

to LGD2006 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LGD2006)`
	`)`

to LGD2006 / Libya TM (Projected)

EPSG	PHPCoord

Name: Libya TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9965),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 10 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 18°E to 20°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 11 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 20°E to 22°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 12 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 22°E to 24°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 13 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - east of 24°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 5 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - west of 10°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 6 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 10°E to 12°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 7 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 12°E to 14°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 8 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 14°E to 16°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / Libya TM zone 9 (Projected)

EPSG	PHPCoord

Name: Libya TM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 16°E to 18°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_LIBYA_TM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to LGD2006 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LGD2006_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: LGD2006 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-208.4058),`
	`  yAxisTranslation: new Metre(-109.8777),`
	`  zAxisTranslation: new Metre(-2.5764)`
	`)`

LKS-2020

`Geographic2D::fromSRID(Geographic2D::EPSG_LKS_2020)`

to LKS-2020 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LKS_2020)`
	`)`

to LKS-2020 / Latvia TM (Projected)

EPSG	PHPCoord

Name: Latvian Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LKS_2020_LATVIA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-6000000)`
	`)`

LKS-92

`Geographic2D::fromSRID(Geographic2D::EPSG_LKS_92)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: LKS-92 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to LKS-92 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LKS_92)`
	`)`

to LKS-92 / Latvia TM (Projected)

EPSG	PHPCoord

Name: Latvian Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LKS_92_LATVIA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-6000000)`
	`)`

LKS94

`Geographic2D::fromSRID(Geographic2D::EPSG_LKS94)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: LKS94 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to LKS94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LKS94)`
	`)`

to LKS94 / Lithuania TM (Projected)

EPSG	PHPCoord

Name: Lithuania 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LKS94_LITHUANIA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to LKS94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  xAxisTranslation: new Metre(40.595),`
	`  yAxisTranslation: new Metre(18.55),`
	`  zAxisTranslation: new Metre(69.339),`
	`  xAxisRotation: new ArcSecond(2.508),`
	`  yAxisRotation: new ArcSecond(1.832),`
	`  zAxisRotation: new ArcSecond(-2.611),`
	`  scaleDifference: new PartsPerMillion(4.299)`
	`)`

LTF2004(G)

`Geographic2D::fromSRID(Geographic2D::EPSG_LTF2004_G)`

to LTF2004(C) (Projected)

EPSG	PHPCoord

Name: Lyon Turin Ferroviaire 2004 (C)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Lyon-Turin
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_LTF2004_C),`
	`  latitudeOfNaturalOrigin: new Degree(44.379166666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(45.183333333333),`
	`  longitudeOfFalseOrigin: new Degree(6.8166666666667),`
	`  eastingAtFalseOrigin: new Metre(150000),`
	`  northingAtFalseOrigin: new Metre(50000)`
	`)`

to LTF2004(G) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LTF2004_G)`
	`)`

LUREF

`Geographic2D::fromSRID(Geographic2D::EPSG_LUREF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: LUREF to ETRS89 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-265.9196),`
	`  yAxisTranslation: new Metre(76.9506),`
	`  zAxisTranslation: new Metre(20.2222),`
	`  xAxisRotation: new ArcSecond(0.48171),`
	`  yAxisRotation: new ArcSecond(3.09948),`
	`  zAxisRotation: new ArcSecond(-2.68639),`
	`  scaleDifference: new PartsPerMillion(0.46346),`
	`  ordinate1OfEvaluationPoint: new Metre(4101567.`
	`↪0943),`
	`  ordinate2OfEvaluationPoint: new Metre(440245.`
	`↪0881),`
	`  ordinate3OfEvaluationPoint: new Metre(4848681.`
	`↪4115)`
	`)`

Name: LUREF to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-189.228),`
	`  yAxisTranslation: new Metre(12.0035),`
	`  zAxisTranslation: new Metre(-42.6303),`
	`  xAxisRotation: new ArcSecond(0.48171),`
	`  yAxisRotation: new ArcSecond(3.09948),`
	`  zAxisRotation: new ArcSecond(-2.68639),`
	`  scaleDifference: new PartsPerMillion(0.46346)`
	`)`

to LUREF (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LUREF)`
	`)`

to LUREF / Luxembourg TM (Projected)

EPSG	PHPCoord

Name: Luxembourg TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM),`
	`  latitudeOfNaturalOrigin: new Degree(49.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(6.1666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(100000)`
	`)`

La Canoa

`Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA)`

to La Canoa / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to La Canoa / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LA_`
	`↪CANOA_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to La Canoa / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LA_`
	`↪CANOA_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: La Canoa to PSAD56 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: La Canoa to REGVEN (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN),`
	`  xAxisTranslation: new Metre(-270.933),`
	`  yAxisTranslation: new Metre(115.599),`
	`  zAxisTranslation: new Metre(-360.226),`
	`  xAxisRotation: new ArcSecond(-5.266),`
	`  yAxisRotation: new ArcSecond(-1.238),`
	`  zAxisRotation: new ArcSecond(2.381),`
	`  scaleDifference: new PartsPerMillion(-5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.81)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: La Canoa to WGS 84 (13)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-270.933),`
	`  yAxisTranslation: new Metre(115.599),`
	`  zAxisTranslation: new Metre(-360.226),`
	`  xAxisRotation: new ArcSecond(-5.266),`
	`  yAxisRotation: new ArcSecond(-1.238),`
	`  zAxisRotation: new ArcSecond(2.381),`
	`  scaleDifference: new PartsPerMillion(-5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.81)`
	`)`

Name: La Canoa to WGS 84 (18)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - east
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-273.5),`
	`  yAxisTranslation: new Metre(110.6),`
	`  zAxisTranslation: new Metre(-357.9)`
	`)`

Lake

`Geographic2D::fromSRID(Geographic2D::EPSG_LAKE)`

to Lake / Maracaibo Grid (Projected)

EPSG	PHPCoord

Name: Maracaibo Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(147315.028)`
	`)`

to Lake / Maracaibo Grid M1 (Projected)

EPSG	PHPCoord

Name: Maracaibo Grid (M1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M1),`
	`  latitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-52684.972)`
	`)`

to Lake / Maracaibo Grid M3 (Projected)

EPSG	PHPCoord

Name: Maracaibo Grid (M3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_LAKE_`
	`↪MARACAIBO_GRID_M3),`
	`  latitudeOfNaturalOrigin: new Degree(10.`
	`↪166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.`
	`↪605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(447315.028)`
	`)`

to Lake / Maracaibo La Rosa Grid (Projected)

EPSG	PHPCoord

Name: Maracaibo La Rosa Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_LAKE_`
	`↪MARACAIBO_LA_ROSA_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(10.`
	`↪166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.`
	`↪605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-17044),`
	`  falseNorthing: new Metre(-23139.97)`
	`)`

Lao 1993

`Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1993)`

to Lao 1993 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LAO_1993)`
	`)`

to Lao 1997 (Geographic2D)

EPSG	PHPCoord

Name: Lao 1993 to Lao 1997 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Laos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LAO_1997),`
	`  xAxisTranslation: new Metre(-0.652),`
	`  yAxisTranslation: new Metre(1.619),`
	`  zAxisTranslation: new Metre(0.213)`
	`)`

Lao 1997

`Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1997)`

to Lao 1993 (Geographic2D)

EPSG	PHPCoord

Name: Lao 1993 to Lao 1997 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Laos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LAO_1993),`
	`  xAxisTranslation: new Metre(0.652),`
	`  yAxisTranslation: new Metre(-1.619),`
	`  zAxisTranslation: new Metre(-0.213)`
	`)`

to Lao 1997 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪LAO_1997)`
	`)`

to Vientiane 1982 (Geographic2D)

EPSG	PHPCoord

Name: Vientiane 1982 to Lao 1997 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Laos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VIENTIANE_1982),`
	`  xAxisTranslation: new Metre(2.227),`
	`  yAxisTranslation: new Metre(-6.524),`
	`  zAxisTranslation: new Metre(-2.178)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Lao 1997 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Laos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(44.585),`
	`  yAxisTranslation: new Metre(-131.212),`
	`  zAxisTranslation: new Metre(-39.544)`
	`)`

Le Pouce 1934

`Geographic2D::fromSRID(Geographic2D::EPSG_LE_POUCE_1934)`

to Le Pouce 1934 / Mauritius Grid (Projected)

EPSG	PHPCoord

Name: Mauritius Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritius - mainland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_LE_`
	`↪POUCE_1934_MAURITIUS_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-20.`
	`↪195069444444),`
	`  longitudeOfNaturalOrigin: new Degree(57.`
	`↪521827777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Le Pouce 1934 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritius - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-770.1),`
	`  yAxisTranslation: new Metre(158.4),`
	`  zAxisTranslation: new Metre(-498.2)`
	`)`

Leigon

`Geographic2D::fromSRID(Geographic2D::EPSG_LEIGON)`

to Leigon / Ghana Metre Grid (Projected)

EPSG	PHPCoord

Name: Ghana Metre Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LEIGON_GHANA_METRE_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-1),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(274319.51),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Leigon to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-130),`
	`  yAxisTranslation: new Metre(29),`
	`  zAxisTranslation: new Metre(364)`
	`)`

Liberia 1964

`Geographic2D::fromSRID(Geographic2D::EPSG_LIBERIA_1964)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Liberia 1964 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Liberia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-90),`
	`  yAxisTranslation: new Metre(40),`
	`  zAxisTranslation: new Metre(88)`
	`)`

Lisbon

`Geographic2D::fromSRID(Geographic2D::EPSG_LISBON)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Lisbon to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-303.861),`
	`  yAxisTranslation: new Metre(-60.693),`
	`  zAxisTranslation: new Metre(103.607)`
	`)`

Name: Lisbon to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  offsetsFile: NTv2LisbonETRS89PortugalProvider->`
	`↪provideGrid()`
	`)`

to Lisbon (Lisbon) (Geographic2D)

EPSG	PHPCoord

Name: Lisbon (Lisbon) to Lisbon (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_LISBON),`
	`  longitudeOffset: new Degree(9.1319061111111)`
	`)`

to Lisbon / Portuguese Grid New (Projected)

EPSG	PHPCoord

Name: Portuguese Grid New
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LISBON_PORTUGUESE_GRID_NEW),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1319061111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Lisbon to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-288.885),`
	`  yAxisTranslation: new Metre(-91.744),`
	`  zAxisTranslation: new Metre(126.244),`
	`  xAxisRotation: new ArcSecond(1.691),`
	`  yAxisRotation: new ArcSecond(-0.41),`
	`  zAxisRotation: new ArcSecond(0.211),`
	`  scaleDifference: new PartsPerMillion(-4.598)`
	`)`

Lisbon (Lisbon)

`Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_LISBON)`

to Lisbon (Geographic2D)

EPSG	PHPCoord

Name: Lisbon (Lisbon) to Lisbon (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON),`
	`  longitudeOffset: new Degree(-9.1319061111111)`
	`)`

to Lisbon (Lisbon) / Portuguese Grid (Projected)

EPSG	PHPCoord

Name: Portuguese Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Lisbon (Lisbon) / Portuguese National Grid (Projected)

EPSG	PHPCoord

Name: Portuguese National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Lisbon 1890

```
Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Lisbon 1890 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(508.088),`
	`  yAxisTranslation: new Metre(-191.042),`
	`  zAxisTranslation: new Metre(565.223)`
	`)`

to Lisbon 1890 (Lisbon) (Geographic2D)

EPSG	PHPCoord

Name: Lisbon 1890 (Lisbon) to Lisbon 1890 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890_LISBON),`
	`  longitudeOffset: new Degree(9.1319061111111)`
	`)`

to Lisbon 1890 / Portugal Bonne New (Projected)

EPSG	PHPCoord

Name: Portugal Bonne New
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->bonneSouthOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_LISBON_1890_PORTUGAL_BONNE_NEW),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1319061111111),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Lisbon 1890 (Lisbon)

`Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890_LISBON)`

to Lisbon 1890 (Geographic2D)

EPSG	PHPCoord

Name: Lisbon 1890 (Lisbon) to Lisbon 1890 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890),`
	`  longitudeOffset: new Degree(-9.1319061111111)`
	`)`

to Lisbon 1890 (Lisbon) / Portugal Bonne (Projected)

EPSG	PHPCoord

Name: Portugal Bonne
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->bonneSouthOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_LISBON_1890_LISBON_PORTUGAL_BONNE),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Locodjo 1965

`Geographic2D::fromSRID(Geographic2D::EPSG_LOCODJO_1965)`

to Locodjo 1965 / TM 5 NW (Projected)

EPSG	PHPCoord

Name: TM 5 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast) - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LOCODJO_1965_TM_5_NW),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Locodjo 1965 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LOCODJO_1965_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Locodjo 1965 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪LOCODJO_1965_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Locodjo 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast) - Abidjan area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-125),`
	`  yAxisTranslation: new Metre(53),`
	`  zAxisTranslation: new Metre(467)`
	`)`

Lome

```
Geographic2D::fromSRID(Geographic2D::EPSG_LOME)
```

to Lome / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LOME_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Luzon 1911

```
Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911)
```

to Luzon 1911 / Philippines zone I (Projected)

EPSG	PHPCoord

Name: Philippines zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone I
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUZON_`
	`↪1911_PHILIPPINES_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Luzon 1911 / Philippines zone II (Projected)

EPSG	PHPCoord

Name: Philippines zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone II
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUZON_`
	`↪1911_PHILIPPINES_ZONE_II),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Luzon 1911 / Philippines zone III (Projected)

EPSG	PHPCoord

Name: Philippines zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone III
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUZON_`
	`↪1911_PHILIPPINES_ZONE_III),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Luzon 1911 / Philippines zone IV (Projected)

EPSG	PHPCoord

Name: Philippines zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone IV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUZON_`
	`↪1911_PHILIPPINES_ZONE_IV),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Luzon 1911 / Philippines zone V (Projected)

EPSG	PHPCoord

Name: Philippines zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUZON_`
	`↪1911_PHILIPPINES_ZONE_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Luzon 1911 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - onshore excluding Mindanao
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-133),`
	`  yAxisTranslation: new Metre(-77),`
	`  zAxisTranslation: new Metre(-51)`
	`)`

Name: Luzon 1911 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - Mindanao onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-133),`
	`  yAxisTranslation: new Metre(-79),`
	`  zAxisTranslation: new Metre(-72)`
	`)`

M'poraloko

`Geographic2D::fromSRID(Geographic2D::EPSG_MPORALOKO)`

to M'poraloko / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪MPORALOKO_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to M'poraloko / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: M'poraloko to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gabon
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-80.7),`
	`  yAxisTranslation: new Metre(-132.5),`
	`  zAxisTranslation: new Metre(41.1)`
	`)`

MACARIO SOLIS

`Geographic2D::fromSRID(Geographic2D::EPSG_MACARIO_SOLIS)`

to MACARIO SOLIS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MACARIO_SOLIS)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MACARIO SOLIS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Panama
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

MAGNA-SIRGAS

`Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS)`

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: Bogota 1975 to MAGNA-SIRGAS (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia region 1
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BOGOTA_1975),`
	`  xAxisTranslation: new Metre(-300.449),`
	`  yAxisTranslation: new Metre(-293.757),`
	`  zAxisTranslation: new Metre(317.306),`
	`  xAxisRotation: new Radian(-6.018581E-5),`
	`  yAxisRotation: new Radian(1.450002E-5),`
	`  zAxisRotation: new Radian(0.0001892455),`
	`  scaleDifference: new PartsPerMillion(20.81615),`
	`  ordinate1OfEvaluationPoint: new Metre(1891881.`
	`↪173),`
	`  ordinate2OfEvaluationPoint: new Metre(-5961263.`
	`↪267),`
	`  ordinate3OfEvaluationPoint: new Metre(1248403.`
	`↪057)`
	`)`

Name: Bogota 1975 to MAGNA-SIRGAS (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia region 2
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BOGOTA_1975),`
	`  xAxisTranslation: new Metre(-308.833),`
	`  yAxisTranslation: new Metre(-282.519),`
	`  zAxisTranslation: new Metre(314.571),`
	`  xAxisRotation: new Radian(4.471845E-5),`
	`  yAxisRotation: new Radian(-1.175087E-5),`
	`  zAxisRotation: new Radian(4.027981E-5),`
	`  scaleDifference: new PartsPerMillion(13.56561),`
	`  ordinate1OfEvaluationPoint: new Metre(1625036.`
	`↪59),`
	`  ordinate2OfEvaluationPoint: new Metre(-6054644.`
	`↪061),`
	`  ordinate3OfEvaluationPoint: new Metre(1172969.`
	`↪151)`
	`)`

Name: Bogota 1975 to MAGNA-SIRGAS (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia region 3
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BOGOTA_1975),`
	`  xAxisTranslation: new Metre(-311.118),`
	`  yAxisTranslation: new Metre(-289.167),`
	`  zAxisTranslation: new Metre(310.641),`
	`  xAxisRotation: new Radian(8.358815E-5),`
	`  yAxisRotation: new Radian(3.057474E-5),`
	`  zAxisRotation: new Radian(-7.573043E-6),`
	`  scaleDifference: new PartsPerMillion(5.771882),`
	`  ordinate1OfEvaluationPoint: new Metre(1555622.`
	`↪801),`
	`  ordinate2OfEvaluationPoint: new Metre(-6105353.`
	`↪313),`
	`  ordinate3OfEvaluationPoint: new Metre(991255.`
	`↪656)`
	`)`

to MAGNA-SIRGAS (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS)`
	`)`

to MAGNA-SIRGAS / Arauca urban grid (Projected)

EPSG	PHPCoord

Name: Arauca urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Arauca city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARAUCA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(7.0876063916667),`
	`  longitudeOfNaturalOrigin: new Degree(-70.758309655556),`
	`  falseEasting: new Metre(1035263.443),`
	`  falseNorthing: new Metre(1275526.621),`
	`  projectionPlaneOriginHeight: new Metre(100)`
	`)`

to MAGNA-SIRGAS / Armenia urban grid (Projected)

EPSG	PHPCoord

Name: Armenia urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Armenia city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARMENIA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.532325),`
	`  longitudeOfNaturalOrigin: new Degree(-75.673489166667),`
	`  falseEasting: new Metre(1155824.666),`
	`  falseNorthing: new Metre(993087.465),`
	`  projectionPlaneOriginHeight: new Metre(1470)`
	`)`

to MAGNA-SIRGAS / Barranquilla urban grid (Projected)

EPSG	PHPCoord

Name: Barranquilla urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Barranquilla city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BARRANQUILLA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(10.923183083333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.834331333333),`
	`  falseEasting: new Metre(917264.406),`
	`  falseNorthing: new Metre(1699839.935),`
	`  projectionPlaneOriginHeight: new Metre(100)`
	`)`

to MAGNA-SIRGAS / Bogota urban grid (Projected)

EPSG	PHPCoord

Name: Bogota urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Bogota city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BOGOTA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.6804861111111),`
	`  longitudeOfNaturalOrigin: new Degree(-74.146591666667),`
	`  falseEasting: new Metre(92334.879),`
	`  falseNorthing: new Metre(109320.965),`
	`  projectionPlaneOriginHeight: new Metre(2550)`
	`)`

to MAGNA-SIRGAS / Bucaramanga urban grid (Projected)

EPSG	PHPCoord

Name: Bucaramanga urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Bucaramanga city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BUCARAMANGA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(7.0788871416667),`
	`  longitudeOfNaturalOrigin: new Degree(-73.197343222222),`
	`  falseEasting: new Metre(1097241.305),`
	`  falseNorthing: new Metre(1274642.278),`
	`  projectionPlaneOriginHeight: new Metre(931)`
	`)`

to MAGNA-SIRGAS / Cali urban grid (Projected)

EPSG	PHPCoord

Name: Cali urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Cali city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CALI_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(3.4418833333333),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5205625),`
	`  falseEasting: new Metre(1061900.18),`
	`  falseNorthing: new Metre(872364.63),`
	`  projectionPlaneOriginHeight: new Metre(1000)`
	`)`

to MAGNA-SIRGAS / Cartagena urban grid (Projected)

EPSG	PHPCoord

Name: Cartagena urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Cartagena city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CARTAGENA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(10.3970475),`
	`  longitudeOfNaturalOrigin: new Degree(-75.511206944444),`
	`  falseEasting: new Metre(842981.41),`
	`  falseNorthing: new Metre(1641887.09),`
	`  projectionPlaneOriginHeight: new Metre(0)`
	`)`

to MAGNA-SIRGAS / Colombia Bogota zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA Bogota zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 75°35'W to 72°35'W, Colombia - mainland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_BOGOTA_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-74.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS / Colombia East Central zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 72°35'W to 69°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_CENTRAL_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS / Colombia East zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - east of 69°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS / Colombia Far West zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA Far West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - west of 78°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_FAR_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-80.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS / Colombia West zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 78°35'W to 75°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-77.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS / Cucuta urban grid (Projected)

EPSG	PHPCoord

Name: Cucuta urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Cucuta city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CUCUTA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(7.8889367361111),`
	`  longitudeOfNaturalOrigin: new Degree(-72.50287095),`
	`  falseEasting: new Metre(842805.406),`
	`  falseNorthing: new Metre(1364404.57),`
	`  projectionPlaneOriginHeight: new Metre(308)`
	`)`

to MAGNA-SIRGAS / Florencia urban grid (Projected)

EPSG	PHPCoord

Name: Florencia urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Florencia city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_FLORENCIA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(1.6210122944444),`
	`  longitudeOfNaturalOrigin: new Degree(-75.619117602778),`
	`  falseEasting: new Metre(1162300.348),`
	`  falseNorthing: new Metre(671068.716),`
	`  projectionPlaneOriginHeight: new Metre(300)`
	`)`

to MAGNA-SIRGAS / Ibague urban grid (Projected)

EPSG	PHPCoord

Name: Ibague urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Ibague city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_IBAGUE_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.4194128277778),`
	`  longitudeOfNaturalOrigin: new Degree(-75.179925933333),`
	`  falseEasting: new Metre(877634.33),`
	`  falseNorthing: new Metre(980541.348),`
	`  projectionPlaneOriginHeight: new Metre(1100)`
	`)`

to MAGNA-SIRGAS / Inirida urban grid (Projected)

EPSG	PHPCoord

Name: Inirida urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Inirida city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_INIRIDA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(3.8454381833333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.905232088889),`
	`  falseEasting: new Metre(1019177.687),`
	`  falseNorthing: new Metre(491791.326),`
	`  projectionPlaneOriginHeight: new Metre(96)`
	`)`

to MAGNA-SIRGAS / Leticia urban grid (Projected)

EPSG	PHPCoord

Name: Leticia urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Leticia city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_LETICIA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-4.1976840472222),`
	`  longitudeOfNaturalOrigin: new Degree(-69.942811058333),`
	`  falseEasting: new Metre(25978.217),`
	`  falseNorthing: new Metre(27501.365),`
	`  projectionPlaneOriginHeight: new Metre(89.7)`
	`)`

to MAGNA-SIRGAS / Manizales urban grid (Projected)

EPSG	PHPCoord

Name: Manizales urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Manizales city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MANIZALES_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.0681538888889),`
	`  longitudeOfNaturalOrigin: new Degree(-75.511094722222),`
	`  falseEasting: new Metre(1173727.04),`
	`  falseNorthing: new Metre(1052391.13),`
	`  projectionPlaneOriginHeight: new Metre(2100)`
	`)`

to MAGNA-SIRGAS / Medellin urban grid (Projected)

EPSG	PHPCoord

Name: Medellin urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Medellin city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MEDELLIN_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(6.2292088888889),`
	`  longitudeOfNaturalOrigin: new Degree(-75.564886944444),`
	`  falseEasting: new Metre(835378.647),`
	`  falseNorthing: new Metre(1180816.875),`
	`  projectionPlaneOriginHeight: new Metre(1510)`
	`)`

to MAGNA-SIRGAS / Mitu urban grid (Projected)

EPSG	PHPCoord

Name: Mitu urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Mitu city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MITU_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(1.2499693666667),`
	`  longitudeOfNaturalOrigin: new Degree(-70.235461655556),`
	`  falseEasting: new Metre(1093717.398),`
	`  falseNorthing: new Metre(629997.236),`
	`  projectionPlaneOriginHeight: new Metre(170)`
	`)`

to MAGNA-SIRGAS / Mocoa urban grid (Projected)

EPSG	PHPCoord

Name: Mocoa urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Mocoa city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MOCOA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(1.1400233583333),`
	`  longitudeOfNaturalOrigin: new Degree(-76.651021219444),`
	`  falseEasting: new Metre(1047467.388),`
	`  falseNorthing: new Metre(617828.474),`
	`  projectionPlaneOriginHeight: new Metre(655.2)`
	`)`

to MAGNA-SIRGAS / Monteria urban grid (Projected)

EPSG	PHPCoord

Name: Monteria urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Monteria city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MONTERIA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(8.7730857555556),`
	`  longitudeOfNaturalOrigin: new Degree(-75.879553330556),`
	`  falseEasting: new Metre(1131814.934),`
	`  falseNorthing: new Metre(1462131.119),`
	`  projectionPlaneOriginHeight: new Metre(15)`
	`)`

to MAGNA-SIRGAS / Neiva urban grid (Projected)

EPSG	PHPCoord

Name: Neiva urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Neiva city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_NEIVA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.9424150555556),`
	`  longitudeOfNaturalOrigin: new Degree(-75.296436722222),`
	`  falseEasting: new Metre(864476.923),`
	`  falseNorthing: new Metre(817199.827),`
	`  projectionPlaneOriginHeight: new Metre(430)`
	`)`

to MAGNA-SIRGAS / Pasto urban grid (Projected)

EPSG	PHPCoord

Name: Pasto urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Pasto city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PASTO_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(1.2009895138889),`
	`  longitudeOfNaturalOrigin: new Degree(-77.253125633333),`
	`  falseEasting: new Metre(980469.695),`
	`  falseNorthing: new Metre(624555.332),`
	`  projectionPlaneOriginHeight: new Metre(2530)`
	`)`

to MAGNA-SIRGAS / Pereira urban grid (Projected)

EPSG	PHPCoord

Name: Pereira urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Pereira city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PEREIRA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.8135936111111),`
	`  longitudeOfNaturalOrigin: new Degree(-75.693951388889),`
	`  falseEasting: new Metre(1153492.012),`
	`  falseNorthing: new Metre(1024195.255),`
	`  projectionPlaneOriginHeight: new Metre(1500)`
	`)`

to MAGNA-SIRGAS / Popayan urban grid (Projected)

EPSG	PHPCoord

Name: Popayan urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Popayan city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_POPAYAN_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.4561598833333),`
	`  longitudeOfNaturalOrigin: new Degree(-76.606091636111),`
	`  falseEasting: new Metre(1052430.525),`
	`  falseNorthing: new Metre(763366.548),`
	`  projectionPlaneOriginHeight: new Metre(1740)`
	`)`

to MAGNA-SIRGAS / Puerto Carreno urban grid (Projected)

EPSG	PHPCoord

Name: Puerto Carreno urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Puerto Carreno city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PUERTO_CARRENO_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(6.1807214138889),`
	`  longitudeOfNaturalOrigin: new Degree(-67.500750247222),`
	`  falseEasting: new Metre(1063834.703),`
	`  falseNorthing: new Metre(1175257.481),`
	`  projectionPlaneOriginHeight: new Metre(51.58)`
	`)`

to MAGNA-SIRGAS / Quibdo urban grid (Projected)

EPSG	PHPCoord

Name: Quibdo urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Quibdo city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_QUIBDO_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.6942476611111),`
	`  longitudeOfNaturalOrigin: new Degree(-76.650753858333),`
	`  falseEasting: new Metre(1047273.617),`
	`  falseNorthing: new Metre(1121443.09),`
	`  projectionPlaneOriginHeight: new Metre(44)`
	`)`

to MAGNA-SIRGAS / Riohacha urban grid (Projected)

EPSG	PHPCoord

Name: Riohacha urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Riohacha city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_RIOHACHA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(11.536913327778),`
	`  longitudeOfNaturalOrigin: new Degree(-72.902768869444),`
	`  falseEasting: new Metre(1128154.73),`
	`  falseNorthing: new Metre(1767887.914),`
	`  projectionPlaneOriginHeight: new Metre(6)`
	`)`

to MAGNA-SIRGAS / San Andres urban grid (Projected)

EPSG	PHPCoord

Name: San Andres urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - San Andres city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_ANDRES_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(12.523794325),`
	`  longitudeOfNaturalOrigin: new Degree(-81.72937595),`
	`  falseEasting: new Metre(820439.298),`
	`  falseNorthing: new Metre(1877357.828),`
	`  projectionPlaneOriginHeight: new Metre(6)`
	`)`

to MAGNA-SIRGAS / San Jose del Guaviare urban grid (Projected)

EPSG	PHPCoord

Name: San Jose del Guaviare urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - San Jose del Guaviare city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_JOSE_DEL_GUAVIARE_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(2.5640789416667),`
	`  longitudeOfNaturalOrigin: new Degree(-72.640033325),`
	`  falseEasting: new Metre(1159876.62),`
	`  falseNorthing: new Metre(775380.342),`
	`  projectionPlaneOriginHeight: new Metre(185)`
	`)`

to MAGNA-SIRGAS / Santa Marta urban grid (Projected)

EPSG	PHPCoord

Name: Santa Marta urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Santa Marta city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SANTA_MARTA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(11.219643055556),`
	`  longitudeOfNaturalOrigin: new Degree(-74.225005277778),`
	`  falseEasting: new Metre(983892.409),`
	`  falseNorthing: new Metre(1732533.518),`
	`  projectionPlaneOriginHeight: new Metre(29)`
	`)`

to MAGNA-SIRGAS / Sucre urban grid (Projected)

EPSG	PHPCoord

Name: Sucre urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Sucre city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SUCRE_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(8.8105503666667),`
	`  longitudeOfNaturalOrigin: new Degree(-74.722466825),`
	`  falseEasting: new Metre(929043.607),`
	`  falseNorthing: new Metre(1466125.658),`
	`  projectionPlaneOriginHeight: new Metre(20)`
	`)`

to MAGNA-SIRGAS / Tunja urban grid (Projected)

EPSG	PHPCoord

Name: Tunja urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Tunja city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_TUNJA_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.5341947388889),`
	`  longitudeOfNaturalOrigin: new Degree(-73.3519389),`
	`  falseEasting: new Metre(1080514.91),`
	`  falseNorthing: new Metre(1103772.028),`
	`  projectionPlaneOriginHeight: new Metre(2800)`
	`)`

to MAGNA-SIRGAS / Valledupar urban grid (Projected)

EPSG	PHPCoord

Name: Valledupar urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Valledupar city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VALLEDUPAR_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(10.447261111111),`
	`  longitudeOfNaturalOrigin: new Degree(-73.246571388889),`
	`  falseEasting: new Metre(1090979.66),`
	`  falseNorthing: new Metre(1647208.93),`
	`  projectionPlaneOriginHeight: new Metre(200)`
	`)`

to MAGNA-SIRGAS / Villavicencio urban grid (Projected)

EPSG	PHPCoord

Name: Villavicencio urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Villavicencio city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VILLAVICENCIO_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(4.1553751),`
	`  longitudeOfNaturalOrigin: new Degree(-73.624485986111),`
	`  falseEasting: new Metre(1050678.757),`
	`  falseNorthing: new Metre(950952.124),`
	`  projectionPlaneOriginHeight: new Metre(427.19)`
	`)`

to MAGNA-SIRGAS / Yopal urban grid (Projected)

EPSG	PHPCoord

Name: Yopal urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Yopal city
	`$point->columbiaUrban(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_YOPAL_URBAN_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(5.3539272222222),`
	`  longitudeOfNaturalOrigin: new Degree(-72.4200040277778),`
	`  falseEasting: new Metre(851184.177),`
	`  falseNorthing: new Metre(1083954.137),`
	`  projectionPlaneOriginHeight: new Metre(300)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MAGNA-SIRGAS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

MAGNA-SIRGAS 2018

`Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018)`

to MAGNA-SIRGAS 2018 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS_2018)`
	`)`

to MAGNA-SIRGAS 2018 / Colombia Bogota zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 Bogota zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 75°35'W to 72°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_BOGOTA_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-74.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS 2018 / Colombia East Central zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 72°35'W to 69°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_CENTRAL_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-71.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS 2018 / Colombia East zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - east of 69°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-68.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS 2018 / Colombia Far West zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 Far West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - west of 78°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_FAR_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-80.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS 2018 / Colombia West zone (Projected)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 78°35'W to 75°35'W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-77.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to MAGNA-SIRGAS 2018 / Origen-Nacional (Projected)

EPSG	PHPCoord

Name: Colombia Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_ORIGEN_NACIONAL),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(-73),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MAGNA-SIRGAS 2018 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

MALS09-IRF

```
Geographic2D::fromSRID(Geographic2D::EPSG_MALS09_IRF)
```

to MALS09 Grid (Projected)

EPSG	PHPCoord

Name: MALS09-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Leamington Spa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MALS09_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.2),`
	`  longitudeOfNaturalOrigin: new Degree(-1.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(175262.1809),`
	`  falseNorthing: new Metre(174688.2508)`
	`)`

MARGEN

```
Geographic2D::fromSRID(Geographic2D::EPSG_MARGEN)
```

to MARGEN (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MARGEN)`
	`)`

to MARGEN / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MARGEN_`
	`↪UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to MARGEN / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MARGEN_`
	`↪UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to MARGEN / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MARGEN_`
	`↪UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MARGEN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bolivia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

MGI

`Geographic2D::fromSRID(Geographic2D::EPSG_MGI)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: MGI to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(577.326),`
	`  yAxisTranslation: new Metre(90.129),`
	`  zAxisTranslation: new Metre(463.919),`
	`  xAxisRotation: new ArcSecond(5.137),`
	`  yAxisRotation: new ArcSecond(1.474),`
	`  zAxisRotation: new ArcSecond(5.297),`
	`  scaleDifference: new PartsPerMillion(2.4232)`
	`)`

Name: MGI to ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: NTv2MGIETRS89AustriaProvider->provideGrid()`
	`)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: MGI (Ferro) to MGI (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  longitudeOffset: new Degree(17.666666666667)`
	`)`

to MGI (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MGI)`
	`)`

to MGI / Austria Central (Projected)

EPSG	PHPCoord

Name: Austria Central
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI / Austria East (Projected)

EPSG	PHPCoord

Name: Austria East
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI / Austria GK Central (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger Central
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI / Austria GK East (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger East
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI / Austria GK M28 (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger M28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI / Austria GK M31 (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger M31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(450000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI / Austria GK M34 (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger M34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI / Austria GK West (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger West
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI / Austria Lambert (Projected)

EPSG	PHPCoord

Name: Austria Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(47.5),`
	`  longitudeOfFalseOrigin: new Degree(13.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to MGI / Austria M28 (Projected)

EPSG	PHPCoord

Name: Austria M28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI / Austria M31 (Projected)

EPSG	PHPCoord

Name: Austria M31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(450000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI / Austria M34 (Projected)

EPSG	PHPCoord

Name: Austria M34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI / Austria West (Projected)

EPSG	PHPCoord

Name: Austria West
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MGI to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - Styria
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(601.705),`
	`  yAxisTranslation: new Metre(84.263),`
	`  zAxisTranslation: new Metre(485.227),`
	`  xAxisRotation: new ArcSecond(-4.7354),`
	`  yAxisRotation: new ArcSecond(-1.3145),`
	`  zAxisRotation: new ArcSecond(-5.393),`
	`  scaleDifference: new PartsPerMillion(-2.3887)`
	`)`

MGI (Ferro)

`Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO)`

to MGI (Ferro) / Austria Central Zone (Projected)

EPSG	PHPCoord

Name: Austria Central Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_CENTRAL_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI (Ferro) / Austria East Zone (Projected)

EPSG	PHPCoord

Name: Austria East Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_EAST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI (Ferro) / Austria GK Central Zone (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger Central Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_CENTRAL_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI (Ferro) / Austria GK East Zone (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger East Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_`
	`↪FERRO_AUSTRIA_GK_EAST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI (Ferro) / Austria GK West Zone (Projected)

EPSG	PHPCoord

Name: Austria Gauss-Kruger West Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_`
	`↪FERRO_AUSTRIA_GK_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI (Ferro) / Austria West Zone (Projected)

EPSG	PHPCoord

Name: Austria West Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_`
	`↪FERRO_AUSTRIA_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI (Ferro) / Austria zone M28 (Projected)

EPSG	PHPCoord

Name: Austria zone M28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI (Ferro) / Austria zone M31 (Projected)

EPSG	PHPCoord

Name: Austria zone M31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(450000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI (Ferro) / Austria zone M34 (Projected)

EPSG	PHPCoord

Name: Austria zone M34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: MGI (Ferro) to MGI (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI),`
	`  longitudeOffset: new Degree(-17.666666666667)`
	`)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: MGI (Ferro) to MGI 1901 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  longitudeOffset: new Degree(-17.662783333333)`
	`)`

MGI 1901

`Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(551.7),`
	`  yAxisTranslation: new Metre(162.9),`
	`  zAxisTranslation: new Metre(467.9),`
	`  xAxisRotation: new ArcSecond(6.04),`
	`  yAxisRotation: new ArcSecond(1.96),`
	`  zAxisRotation: new ArcSecond(-11.38),`
	`  scaleDifference: new PartsPerMillion(-4.82)`
	`)`

Name: MGI 1901 to ETRS89 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(517.4399),`
	`  yAxisTranslation: new Metre(228.7318),`
	`  zAxisTranslation: new Metre(579.7954),`
	`  xAxisRotation: new ArcSecond(-4.045),`
	`  yAxisRotation: new ArcSecond(-4.304),`
	`  zAxisRotation: new ArcSecond(15.612),`
	`  scaleDifference: new PartsPerMillion(-8.312)`
	`)`

Name: MGI 1901 to ETRS89 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bosnia and Herzegovina
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(489.88),`
	`  yAxisTranslation: new Metre(183.912),`
	`  zAxisTranslation: new Metre(533.711),`
	`  xAxisRotation: new ArcSecond(5.76545),`
	`  yAxisRotation: new ArcSecond(4.69994),`
	`  zAxisRotation: new ArcSecond(-12.58211),`
	`  scaleDifference: new PartsPerMillion(1.00646)`
	`)`

to KOSOVAREF01 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to KOSOVAREF01 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kosovo
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOSOVAREF01),`
	`  xAxisTranslation: new Metre(628.54052),`
	`  yAxisTranslation: new Metre(192.2538),`
	`  zAxisTranslation: new Metre(498.43507),`
	`  xAxisRotation: new ArcSecond(-13.79189),`
	`  yAxisRotation: new ArcSecond(-0.81467),`
	`  zAxisRotation: new ArcSecond(41.21533),`
	`  scaleDifference: new PartsPerMillion(-17.40368)`
	`)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: MGI (Ferro) to MGI 1901 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  longitudeOffset: new Degree(17.662783333333)`
	`)`

to MGI 1901 / Balkans zone 5 (Projected)

EPSG	PHPCoord

Name: Balkans zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore west of 16.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI 1901 / Balkans zone 6 (Projected)

EPSG	PHPCoord

Name: Balkans zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore 16.5°E to 19.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_`
	`↪1901_BALKANS_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI 1901 / Balkans zone 7 (Projected)

EPSG	PHPCoord

Name: Balkans zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia, Europe - former Yugoslavia onshore 19.5°E to 22.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_`
	`↪1901_BALKANS_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI 1901 / Balkans zone 8 (Projected)

EPSG	PHPCoord

Name: Balkans zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore east of 22.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_`
	`↪1901_BALKANS_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MGI 1901 / Slovene National Grid (Projected)

EPSG	PHPCoord

Name: Slovene National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_1901_SLOVENE_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to MGI 1901 / Slovenia Grid (Projected)

EPSG	PHPCoord

Name: Slovenia Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MGI_1901_SLOVENIA_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Macedonia State Coordinate System (Projected)

EPSG	PHPCoord

Name: Macedonia Gauss-Kruger
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Macedonia State Coordinate System truncated (Projected)

EPSG	PHPCoord

Name: Macedonia Gauss-Kruger truncated
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪MACEDONIA_STATE_COORDINATE_SYSTEM_TRUNCATED),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-4000000)`
	`)`

to SRB_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to SRB-ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Serbia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SRB_ETRS89),`
	`  xAxisTranslation: new Metre(577.84843),`
	`  yAxisTranslation: new Metre(165.45019),`
	`  zAxisTranslation: new Metre(390.43652),`
	`  xAxisRotation: new ArcSecond(-4.93131),`
	`  yAxisRotation: new ArcSecond(0.96052),`
	`  zAxisRotation: new ArcSecond(13.05072),`
	`  scaleDifference: new PartsPerMillion(7.86546)`
	`)`

to Slovenia 1996 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to Slovenia 1996 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - west of 14°30'E onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLOVENIA_1996),`
	`  xAxisTranslation: new Metre(315.393),`
	`  yAxisTranslation: new Metre(186.223),`
	`  zAxisTranslation: new Metre(499.609),`
	`  xAxisRotation: new ArcSecond(-6.445954),`
	`  yAxisRotation: new ArcSecond(-8.131631),`
	`  zAxisRotation: new ArcSecond(13.208641),`
	`  scaleDifference: new PartsPerMillion(23.449046)`
	`)`

Name: MGI 1901 to Slovenia 1996 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - NE
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLOVENIA_1996),`
	`  xAxisTranslation: new Metre(464.939),`
	`  yAxisTranslation: new Metre(-21.478),`
	`  zAxisTranslation: new Metre(504.497),`
	`  xAxisRotation: new ArcSecond(0.403),`
	`  yAxisRotation: new ArcSecond(-4.228747),`
	`  zAxisRotation: new ArcSecond(9.954942),`
	`  scaleDifference: new PartsPerMillion(12.795378)`
	`)`

Name: MGI 1901 to Slovenia 1996 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - SE
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLOVENIA_1996),`
	`  xAxisTranslation: new Metre(459.968),`
	`  yAxisTranslation: new Metre(82.193),`
	`  zAxisTranslation: new Metre(458.756),`
	`  xAxisRotation: new ArcSecond(-3.565234),`
	`  yAxisRotation: new ArcSecond(-3.700593),`
	`  zAxisRotation: new ArcSecond(10.860523),`
	`  scaleDifference: new PartsPerMillion(15.507563)`
	`)`

Name: MGI 1901 to Slovenia 1996 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - southeastern
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLOVENIA_1996),`
	`  xAxisTranslation: new Metre(427.914),`
	`  yAxisTranslation: new Metre(105.528),`
	`  zAxisTranslation: new Metre(510.908),`
	`  xAxisRotation: new ArcSecond(-4.992523),`
	`  yAxisRotation: new ArcSecond(-5.898813),`
	`  zAxisRotation: new ArcSecond(10.306673),`
	`  scaleDifference: new PartsPerMillion(12.431493)`
	`)`

Name: MGI 1901 to Slovenia 1996 (6)
Code:
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLOVENIA_1996),`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(682),`
	`  yAxisTranslation: new Metre(-203),`
	`  zAxisTranslation: new Metre(480)`
	`)`

Name: MGI 1901 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Montenegro - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(695.5),`
	`  yAxisTranslation: new Metre(-216.6),`
	`  zAxisTranslation: new Metre(491.1)`
	`)`

Name: MGI 1901 to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(521.748),`
	`  yAxisTranslation: new Metre(229.489),`
	`  zAxisTranslation: new Metre(590.921),`
	`  xAxisRotation: new ArcSecond(-4.029),`
	`  yAxisRotation: new ArcSecond(-4.488),`
	`  zAxisRotation: new ArcSecond(15.521),`
	`  scaleDifference: new PartsPerMillion(-9.78)`
	`)`

MML07-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_MML07_IRF)`

to MML07 Grid (Projected)

EPSG	PHPCoord

Name: MML07-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Sheffield
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MML07_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.45),`
	`  longitudeOfNaturalOrigin: new Degree(-0.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49350.157),`
	`  falseNorthing: new Metre(108398.212)`
	`)`

MMN

`Geographic2D::fromSRID(Geographic2D::EPSG_MMN)`

to MMN / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MMN_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MMN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Tierra del Fuego onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-9.5),`
	`  yAxisTranslation: new Metre(122.9),`
	`  zAxisTranslation: new Metre(138.2)`
	`)`

MMS

`Geographic2D::fromSRID(Geographic2D::EPSG_MMS)`

to MMS / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MMS_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MMS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Tierra del Fuego onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-78.1),`
	`  yAxisTranslation: new Metre(101.6),`
	`  zAxisTranslation: new Metre(133.3)`
	`)`

MOLDOR11-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_MOLDOR11_IRF)`

to MOLDOR11 Grid (Projected)

EPSG	PHPCoord

Name: MOLDOR11-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Manchester to Dore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOLDOR11_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.35),`
	`  longitudeOfNaturalOrigin: new Degree(-1.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(226574.2032),`
	`  falseNorthing: new Metre(390894.838)`
	`)`

MOLDREF99

`Geographic2D::fromSRID(Geographic2D::EPSG_MOLDREF99)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: MOLDREF99 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Moldova
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to MOLDREF99 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MOLDREF99)`
	`)`

to MOLDREF99 / Moldova TM (Projected)

EPSG	PHPCoord

Name: Moldova Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Moldova
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOLDREF99_MOLDOVA_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99994),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MOP78

`Geographic2D::fromSRID(Geographic2D::EPSG_MOP78)`

to MOP78 / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOP78_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: MOP78 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Wallis and Futuna - Wallis
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(253),`
	`  yAxisTranslation: new Metre(-132),`
	`  zAxisTranslation: new Metre(-127)`
	`)`

MRH21-IRF

```
Geographic2D::fromSRID(Geographic2D::EPSG_MRH21_IRF)
```

to MRH21 Grid (Projected)

EPSG	PHPCoord

Name: MRH21-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Cardiff to Lincoln
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MRH21_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.3),`
	`  longitudeOfNaturalOrigin: new Degree(-1.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(227286.9881),`
	`  falseNorthing: new Metre(265751.2874)`
	`)`

MTRF-2000

```
Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: Ain el Abd to MTRF-2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  xAxisTranslation: new Metre(61.15),`
	`  yAxisTranslation: new Metre(315.86),`
	`  zAxisTranslation: new Metre(3.51),`
	`  xAxisRotation: new ArcSecond(-0.41),`
	`  yAxisRotation: new ArcSecond(-0.74),`
	`  zAxisRotation: new ArcSecond(3.52),`
	`  scaleDifference: new PartsPerMillion(-1.36)`
	`)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: MTRF-2000 to KSA-GRF17 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KSA_GRF17),`
	`  xAxisTranslation: new Metre(0.0469),`
	`  yAxisTranslation: new Metre(-0.2827),`
	`  zAxisTranslation: new Metre(0.0866),`
	`  xAxisRotation: new ArcSecond(0.00559),`
	`  yAxisRotation: new ArcSecond(-0.004981),`
	`  zAxisRotation: new ArcSecond(0.023108),`
	`  scaleDifference: new PartsPerMillion(-0.008051)`
	`)`

to MTRF-2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MTRF_2000)`
	`)`

to MTRF-2000 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MTRF_`
	`↪2000_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MTRF-2000 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MTRF_`
	`↪2000_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MTRF-2000 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MTRF_`
	`↪2000_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MTRF-2000 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MTRF_`
	`↪2000_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to MTRF-2000 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MWC18-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_MWC18_IRF)`

to MWC18 Grid (Projected)

EPSG	PHPCoord

Name: MWC18-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Manchester, Wigan and Chester
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MWC18_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.35),`
	`  longitudeOfNaturalOrigin: new Degree(-2.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(171975.9382),`
	`  falseNorthing: new Metre(116744.6938)`
	`)`

Macao 1920

`Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_1920)`

to Macao 1920 / Macao Grid (Projected)

EPSG	PHPCoord

Name: Macau Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MACAO_1920_MACAO_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(22.212397222222),`
	`  longitudeOfNaturalOrigin: new Degree(113.53646944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(20000)`
	`)`

to Macao 2008 (Geographic2D)

EPSG	PHPCoord

Name: Macao 2008 to Macao 1920 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_2008),`
	`  xAxisTranslation: new Metre(-202.865),`
	`  yAxisTranslation: new Metre(-303.99),`
	`  zAxisTranslation: new Metre(-155.873),`
	`  xAxisRotation: new ArcSecond(-34.067),`
	`  yAxisRotation: new ArcSecond(76.126),`
	`  zAxisRotation: new ArcSecond(32.647),`
	`  scaleDifference: new PartsPerMillion(6.096),`
	`  ordinate1OfEvaluationPoint: new Metre(-2361757.652),`
	`  ordinate2OfEvaluationPoint: new Metre(5417232.187),`
	`  ordinate3OfEvaluationPoint: new Metre(2391453.053)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Macao 1920 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-202.865),`
	`  yAxisTranslation: new Metre(-303.99),`
	`  zAxisTranslation: new Metre(-155.873),`
	`  xAxisRotation: new ArcSecond(-34.079),`
	`  yAxisRotation: new ArcSecond(76.126),`
	`  zAxisRotation: new ArcSecond(32.66),`
	`  scaleDifference: new PartsPerMillion(6.096),`
	`  ordinate1OfEvaluationPoint: new Metre(-2361554.788),`
	`  ordinate2OfEvaluationPoint: new Metre(5417536.177),`
	`  ordinate3OfEvaluationPoint: new Metre(2391608.926)`
	`)`

Macao 2008

`Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_2008)`

to Macao 1920 (Geographic2D)

EPSG	PHPCoord

Name: Macao 2008 to Macao 1920 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_1920),`
	`  xAxisTranslation: new Metre(202.865),`
	`  yAxisTranslation: new Metre(303.99),`
	`  zAxisTranslation: new Metre(155.873),`
	`  xAxisRotation: new ArcSecond(34.067),`
	`  yAxisRotation: new ArcSecond(-76.126),`
	`  zAxisRotation: new ArcSecond(-32.647),`
	`  scaleDifference: new PartsPerMillion(-6.096),`
	`  ordinate1OfEvaluationPoint: new Metre(-2361757.652),`
	`  ordinate2OfEvaluationPoint: new Metre(5417232.187),`
	`  ordinate3OfEvaluationPoint: new Metre(2391453.053)`
	`)`

to Macao 2008 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MACAO_2008)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Macao 2008 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Madrid 1870 (Madrid)

`Geographic2D::fromSRID(Geographic2D::EPSG_MADRID_1870_MADRID)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Madrid 1870 (Madrid) to ED50 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland northeast
	`$point->madridToED50Polynomial(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  A0: new Coefficient(11.328779),`
	`  A1: new Coefficient(-0.1674),`
	`  A2: new Coefficient(-0.03852),`
	`  A3: new Coefficient(3.79E-5),`
	`  B00: new ArcSecond(-13276.58),`
	`  B0: new Coefficient(2.5079425),`
	`  B1: new Coefficient(0.08352),`
	`  B2: new Coefficient(-0.00864),`
	`  B3: new Coefficient(-3.8E-6)`
	`)`

Name: Madrid 1870 (Madrid) to ED50 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland southwest
	`$point->madridToED50Polynomial(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  A0: new Coefficient(6.2280987),`
	`  A1: new Coefficient(-0.03924),`
	`  A2: new Coefficient(-0.03276),`
	`  A3: new Coefficient(2.84E-5),`
	`  B00: new ArcSecond(-13276.58),`
	`  B0: new Coefficient(2.9368989),`
	`  B1: new Coefficient(0.07272),`
	`  B2: new Coefficient(0.00216),`
	`  B3: new Coefficient(-1.79E-5)`
	`)`

to Madrid 1870 (Madrid) / Spain LCC (Projected)

EPSG	PHPCoord

Name: Spain
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MADRID_1870_MADRID_SPAIN_LCC),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9988085293),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(600000)`
	`)`

Mahe 1971

`Geographic2D::fromSRID(Geographic2D::EPSG_MAHE_1971)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Mahe 1971 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Seychelles - Mahe Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(41),`
	`  yAxisTranslation: new Metre(-220),`
	`  zAxisTranslation: new Metre(-134)`
	`)`

Makassar

`Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR)`

to Makassar (Jakarta) (Geographic2D)

EPSG	PHPCoord

Name: Makassar (Jakarta) to Makassar (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Sulawesi SW
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR_JAKARTA),`
	`  longitudeOffset: new Degree(-106.80771944444)`
	`)`

to Makassar / NEIEZ (Projected)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_MAKASSAR_NEIEZ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(110),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Makassar to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Sulawesi SW
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-587.8),`
	`  yAxisTranslation: new Metre(519.75),`
	`  zAxisTranslation: new Metre(145.76)`
	`)`

Makassar (Jakarta)

`Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR_JAKARTA)`

to Makassar (Geographic2D)

EPSG	PHPCoord

Name: Makassar (Jakarta) to Makassar (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Sulawesi SW
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR),`
	`  longitudeOffset: new Degree(106.80771944444)`
	`)`

to Makassar (Jakarta) / NEIEZ (Projected)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone (Jkt)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_MAKASSAR_JAKARTA_NEIEZ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3.1922805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Malongo 1987

`Geographic2D::fromSRID(Geographic2D::EPSG_MALONGO_1987)`

to Malongo 1987 / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪MALONGO_1987_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Malongo 1987 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪MALONGO_1987_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: Malongo 1987 to RSAO13 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RSAO13),`
	`  xAxisTranslation: new Metre(-254.1),`
	`  yAxisTranslation: new Metre(-5.36),`
	`  zAxisTranslation: new Metre(-100.29)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Malongo 1987 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-254.1),`
	`  yAxisTranslation: new Metre(-5.36),`
	`  zAxisTranslation: new Metre(-100.29)`
	`)`

Manoca 1962

`Geographic2D::fromSRID(Geographic2D::EPSG_MANOCA_1962)`

to Manoca 1962 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MANOCA_1962_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Manoca 1962 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  xAxisTranslation: new Metre(-56.7),`
	`  yAxisTranslation: new Metre(-171.8),`
	`  zAxisTranslation: new Metre(-40.6)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Manoca 1962 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-70.9),`
	`  yAxisTranslation: new Metre(-151.8),`
	`  zAxisTranslation: new Metre(-41.4)`
	`)`

Marcus Island 1952

`Geographic2D::fromSRID(Geographic2D::EPSG_MARCUS_ISLAND_1952)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Marcus Island 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(124),`
	`  yAxisTranslation: new Metre(-234),`
	`  zAxisTranslation: new Metre(-25)`
	`)`

Marshall Islands 1960

`Geographic2D::fromSRID(Geographic2D::EPSG_MARSHALL_ISLANDS_1960)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Marshall Islands 1960 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Marshall Islands, Wake - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(102),`
	`  yAxisTranslation: new Metre(52),`
	`  zAxisTranslation: new Metre(-38)`
	`)`

Martinique 1938

`Geographic2D::fromSRID(Geographic2D::EPSG_MARTINIQUE_1938)`

to Martinique 1938 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MARTINIQUE_1938_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: Martinique 1938 to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09),`
	`  xAxisTranslation: new Metre(127.744),`
	`  yAxisTranslation: new Metre(547.069),`
	`  zAxisTranslation: new Metre(118.359),`
	`  xAxisRotation: new ArcSecond(-3.1116),`
	`  yAxisRotation: new ArcSecond(4.9509),`
	`  zAxisRotation: new ArcSecond(-0.8837),`
	`  scaleDifference: new PartsPerMillion(14.1012)`
	`)`

Massawa

`Geographic2D::fromSRID(Geographic2D::EPSG_MASSAWA)`

to Massawa / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MASSAWA_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Massawa to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Eritrea
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(639),`
	`  yAxisTranslation: new Metre(405),`
	`  zAxisTranslation: new Metre(60)`
	`)`

Maupiti 83

`Geographic2D::fromSRID(Geographic2D::EPSG_MAUPITI_83)`

to Maupiti 83 / UTM zone 5S (Projected)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAUPITI_83_UTM_ZONE_5S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: Maupiti 83 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Maupiti
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  xAxisTranslation: new Metre(217.037),`
	`  yAxisTranslation: new Metre(86.959),`
	`  zAxisTranslation: new Metre(23.956)`
	`)`

Mauritania 1999

`Geographic2D::fromSRID(Geographic2D::EPSG_MAURITANIA_1999)`

to Mauritania 1999 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MAURITANIA_1999)`
	`)`

to Mauritania 1999 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪MAURITANIA_1999_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mauritania 1999 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mauritania 1999 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Mauritania 1999 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Merchich

`Geographic2D::fromSRID(Geographic2D::EPSG_MERCHICH)`

to Merchich / Nord Maroc (Projected)

EPSG	PHPCoord

Name: Nord Maroc
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Morocco - north of 31.5°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MERCHICH_NORD_MAROC),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to Merchich / Sahara Nord (Projected)

EPSG	PHPCoord

Name: Sahara Nord
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Western Sahara - north of 24.3°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MERCHICH_SAHARA_NORD),`
	`  latitudeOfNaturalOrigin: new Grad(29),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999616304),`
	`  falseEasting: new Metre(1200000),`
	`  falseNorthing: new Metre(400000)`
	`)`

to Merchich / Sahara Sud (Projected)

EPSG	PHPCoord

Name: Sahara Sud
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Western Sahara - south of 24.3°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MERCHICH_SAHARA_SUD),`
	`  latitudeOfNaturalOrigin: new Grad(25),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999616437),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(400000)`
	`)`

to Merchich / Sud Maroc (Projected)

EPSG	PHPCoord

Name: Sud Maroc
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Morocco - south of 31.5°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MERCHICH_SUD_MAROC),`
	`  latitudeOfNaturalOrigin: new Grad(33),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999615596),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Merchich to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Morocco - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(31),`
	`  yAxisTranslation: new Metre(146),`
	`  zAxisTranslation: new Metre(47)`
	`)`

Mexico ITRF2008

`Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008)`

to Mexico ITRF2008 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MEXICO_ITRF2008)`
	`)`

to Mexico ITRF2008 / LCC (Projected)

EPSG	PHPCoord

Name: Mexico LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_LCC),`
	`  latitudeOfFalseOrigin: new Degree(12),`
	`  longitudeOfFalseOrigin: new Degree(-102),`
	`  latitudeOf1stStandardParallel: new Degree(17.5),`
	`  latitudeOf2ndStandardParallel: new Degree(29.5),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to Mexico ITRF2008 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF2008 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF2008 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF2008 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF2008 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF2008 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Mexico ITRF2008 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Mexico ITRF92

`Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92)`

to Mexico ITRF92 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MEXICO_ITRF92)`
	`)`

to Mexico ITRF92 / LCC (Projected)

EPSG	PHPCoord

Name: Mexico LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_LCC),`
	`  latitudeOfFalseOrigin: new Degree(12),`
	`  longitudeOfFalseOrigin: new Degree(-102),`
	`  latitudeOf1stStandardParallel: new Degree(17.5),`
	`  latitudeOf2ndStandardParallel: new Degree(29.5),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to Mexico ITRF92 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF92 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF92 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF92 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF92 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Mexico ITRF92 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Mexico ITRF92 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Mhast (offshore)

`Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_OFFSHORE)`

to Mhast (offshore) / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MHAST_OFFSHORE_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Mhast (offshore) to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  xAxisTranslation: new Metre(-255),`
	`  yAxisTranslation: new Metre(-29),`
	`  zAxisTranslation: new Metre(-105)`
	`)`

Mhast (onshore)

```
Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_ONSHORE)
```

to Mhast (onshore) / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MHAST_`
	`↪ONSHORE_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Midway 1961

```
Geographic2D::fromSRID(Geographic2D::EPSG_MIDWAY_1961)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Midway 1961 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Midway Islands - Sand and Eastern Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(403),`
	`  yAxisTranslation: new Metre(-81),`
	`  zAxisTranslation: new Metre(277)`
	`)`

Minna

```
Geographic2D::fromSRID(Geographic2D::EPSG_MINNA)
```

to Minna / Nigeria East Belt (Projected)

EPSG	PHPCoord

Name: Nigeria East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - east of 10.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_EAST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(12.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(1110369.7),`
	`  falseNorthing: new Metre(0)`
	`)`

to Minna / Nigeria Mid Belt (Projected)

EPSG	PHPCoord

Name: Nigeria Mid Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - 6.5°E to 10.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_MID_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(8.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(670553.98),`
	`  falseNorthing: new Metre(0)`
	`)`

to Minna / Nigeria West Belt (Projected)

EPSG	PHPCoord

Name: Nigeria West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - west of 6.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_WEST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(4.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(230738.26),`
	`  falseNorthing: new Metre(0)`
	`)`

to Minna / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Minna / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Minna to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-81),`
	`  yAxisTranslation: new Metre(-84),`
	`  zAxisTranslation: new Metre(115)`
	`)`

Name: Minna to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-92),`
	`  yAxisTranslation: new Metre(-93),`
	`  zAxisTranslation: new Metre(122)`
	`)`

Name: Minna to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - south
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-111.92),`
	`  yAxisTranslation: new Metre(-87.85),`
	`  zAxisTranslation: new Metre(114.5),`
	`  xAxisRotation: new ArcSecond(1.875),`
	`  yAxisRotation: new ArcSecond(0.202),`
	`  zAxisRotation: new ArcSecond(0.219),`
	`  scaleDifference: new PartsPerMillion(0.032)`
	`)`

Monte Mario

`Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Monte Mario to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - mainland
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-104.1),`
	`  yAxisTranslation: new Metre(-49.1),`
	`  zAxisTranslation: new Metre(-9.9),`
	`  xAxisRotation: new ArcSecond(0.971),`
	`  yAxisRotation: new ArcSecond(-2.917),`
	`  zAxisRotation: new ArcSecond(0.714),`
	`  scaleDifference: new PartsPerMillion(-11.68)`
	`)`

Name: Monte Mario to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sardinia onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-168.6),`
	`  yAxisTranslation: new Metre(-34),`
	`  zAxisTranslation: new Metre(38.6),`
	`  xAxisRotation: new ArcSecond(-0.374),`
	`  yAxisRotation: new ArcSecond(-0.679),`
	`  zAxisRotation: new ArcSecond(-1.379),`
	`  scaleDifference: new PartsPerMillion(-9.48)`
	`)`

Name: Monte Mario to ETRS89 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-50.2),`
	`  yAxisTranslation: new Metre(-50.4),`
	`  zAxisTranslation: new Metre(84.8),`
	`  xAxisRotation: new ArcSecond(-0.69),`
	`  yAxisRotation: new ArcSecond(-2.012),`
	`  zAxisRotation: new ArcSecond(0.459),`
	`  scaleDifference: new PartsPerMillion(-28.08)`
	`)`

to Monte Mario (Rome) (Geographic2D)

EPSG	PHPCoord

Name: Monte Mario (Rome) to Monte Mario (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - including San Marino and Vatican
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO_ROME),`
	`  longitudeOffset: new Degree(-12.452333333333)`
	`)`

to Monte Mario / Italy zone 1 (Projected)

EPSG	PHPCoord

Name: Italy zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - west of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Monte Mario / Italy zone 2 (Projected)

EPSG	PHPCoord

Name: Italy zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - east of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(2520000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Monte Mario / TM Emilia-Romagna (Projected)

EPSG	PHPCoord

Name: TM Emilia-Romagna
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Emilia-Romagna
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MONTE_`
	`↪MARIO_TM_EMILIA_ROMAGNA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500053),`
	`  falseNorthing: new Metre(-3999820)`
	`)`

Monte Mario (Rome)

`Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO_ROME)`

to Monte Mario (Geographic2D)

EPSG	PHPCoord

Name: Monte Mario (Rome) to Monte Mario (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - including San Marino and Vatican
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MONTE_MARIO),`
	`  longitudeOffset: new Degree(12.452333333333)`
	`)`

Montserrat 1958

`Geographic2D::fromSRID(Geographic2D::EPSG_MONTSERRAT_1958)`

to Montserrat 1958 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MONTSERRAT_1958_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Montserrat 1958 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Montserrat - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(174),`
	`  yAxisTranslation: new Metre(359),`
	`  zAxisTranslation: new Metre(365)`
	`)`

Moorea 87

`Geographic2D::fromSRID(Geographic2D::EPSG_MOOREA_87)`

to Moorea 87 / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOOREA_87_UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: Moorea 87 to RGPF (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Moorea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  xAxisTranslation: new Metre(218.697),`
	`  yAxisTranslation: new Metre(151.257),`
	`  zAxisTranslation: new Metre(176.995),`
	`  xAxisRotation: new ArcSecond(3.5048),`
	`  yAxisRotation: new ArcSecond(2.004),`
	`  zAxisRotation: new ArcSecond(1.281),`
	`  scaleDifference: new PartsPerMillion(10.991)`
	`)`

Mount Dillon

`Geographic2D::fromSRID(Geographic2D::EPSG_MOUNT_DILLON)`

to Mount Dillon / Tobago Grid (Projected)

EPSG	PHPCoord

Name: Tobago Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Tobago - onshore
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_MOUNT_DILLON_TOBAGO_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(11.252178611111),`
	`  longitudeOfNaturalOrigin: new Degree(-60.686008888889),`
	`  falseEasting: new ClarkeLink(187500),`
	`  falseNorthing: new ClarkeLink(180000)`
	`)`

Moznet

`Geographic2D::fromSRID(Geographic2D::EPSG_MOZNET)`

to Moznet (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_MOZNET)`
	`)`

to Moznet / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Moznet / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Moznet / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Tete (Geographic2D)

EPSG	PHPCoord

Name: Tete to Moznet (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - A
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TETE),`
	`  xAxisTranslation: new Metre(82.875),`
	`  yAxisTranslation: new Metre(57.097),`
	`  zAxisTranslation: new Metre(156.768),`
	`  xAxisRotation: new ArcSecond(-2.158),`
	`  yAxisRotation: new ArcSecond(1.524),`
	`  zAxisRotation: new ArcSecond(-0.982),`
	`  scaleDifference: new PartsPerMillion(0.359)`
	`)`

Name: Tete to Moznet (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - B
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TETE),`
	`  xAxisTranslation: new Metre(138.527),`
	`  yAxisTranslation: new Metre(91.999),`
	`  zAxisTranslation: new Metre(114.591),`
	`  xAxisRotation: new ArcSecond(-0.14),`
	`  yAxisRotation: new ArcSecond(3.363),`
	`  zAxisRotation: new ArcSecond(-2.217),`
	`  scaleDifference: new PartsPerMillion(-11.748)`
	`)`

Name: Tete to Moznet (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - C
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TETE),`
	`  xAxisTranslation: new Metre(73.472),`
	`  yAxisTranslation: new Metre(51.66),`
	`  zAxisTranslation: new Metre(112.482),`
	`  xAxisRotation: new ArcSecond(0.953),`
	`  yAxisRotation: new ArcSecond(4.6),`
	`  zAxisRotation: new ArcSecond(-2.368),`
	`  scaleDifference: new PartsPerMillion(-0.586)`
	`)`

Name: Tete to Moznet (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - D
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TETE),`
	`  xAxisTranslation: new Metre(-219.315),`
	`  yAxisTranslation: new Metre(-168.975),`
	`  zAxisTranslation: new Metre(166.145),`
	`  xAxisRotation: new ArcSecond(0.198),`
	`  yAxisRotation: new ArcSecond(5.926),`
	`  zAxisRotation: new ArcSecond(-2.356),`
	`  scaleDifference: new PartsPerMillion(57.104)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Moznet to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

NAD27

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD27)`

to NAD27 / Alabama East (Projected)

EPSG	PHPCoord

Name: Alabama CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALABAMA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alabama West (Projected)

EPSG	PHPCoord

Name: Alabama CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALABAMA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska Albers (Projected)

EPSG	PHPCoord

Name: Alaska Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(0),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 1 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_1),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(16404166.67),`
	`  falseNorthing: new USSurveyFoot(-16404166.67)`
	`)`

to NAD27 / Alaska zone 10 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_10),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 2 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALASKA_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 3 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALASKA_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 4 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALASKA_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 5 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 6 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 7 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(700000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 8 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALASKA_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alaska zone 9 (Projected)

EPSG	PHPCoord

Name: Alaska CS27 zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALASKA_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(600000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Alberta 3TM ref merid 111 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALBERTA_3TM_REF_MERID_111_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / Alberta 3TM ref merid 114 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALBERTA_3TM_REF_MERID_114_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / Alberta 3TM ref merid 117 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALBERTA_3TM_REF_MERID_117_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / Alberta 3TM ref merid 120 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪ALBERTA_3TM_REF_MERID_120_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / Arizona Central (Projected)

EPSG	PHPCoord

Name: Arizona Coordinate System Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Arizona East (Projected)

EPSG	PHPCoord

Name: Arizona Coordinate System East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Arizona West (Projected)

EPSG	PHPCoord

Name: Arizona Coordinate System West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Arkansas North (Projected)

EPSG	PHPCoord

Name: Arkansas CS27 North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ARKANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Arkansas South (Projected)

EPSG	PHPCoord

Name: Arkansas CS27 South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ARKANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 10N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 10N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_10N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 11N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 11N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_11N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 12N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 12N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_12N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 13N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 13N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪BLM_13N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 14N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 14N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 102°W to 96°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪BLM_14N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 15N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 15N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 96°W to 90°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪BLM_15N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 16N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 16N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 90°W to 84°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_16N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 17N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 17N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 84°W to 78°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_17N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 18N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 18N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_18N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 19N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 19N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_19N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 1N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 1N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 180°W to 174°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_1N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 2N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 2N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°W to 168°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_2N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 3N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 3N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 168°W to 162°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_3N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 4N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 4N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 162°W to 156°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_4N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 59N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 59N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - west of 174°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_59N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 5N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 5N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 156°W to 150°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_5N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 60N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 60N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°E to 180°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_60N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 6N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 6N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 150°W to 144°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_6N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 7N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 7N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_7N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 8N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 8N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_8N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / BLM 9N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 9N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_BLM_9N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / California Albers (Projected)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

to NAD27 / California zone I (Projected)

EPSG	PHPCoord

Name: California CS27 zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_I),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / California zone II (Projected)

EPSG	PHPCoord

Name: California CS27 zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_II),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / California zone III (Projected)

EPSG	PHPCoord

Name: California CS27 zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_III),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / California zone IV (Projected)

EPSG	PHPCoord

Name: California CS27 zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_IV),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / California zone V (Projected)

EPSG	PHPCoord

Name: California CS27 zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS27 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_V),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / California zone VI (Projected)

EPSG	PHPCoord

Name: California CS27 zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VI),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / California zone VII (Projected)

EPSG	PHPCoord

Name: California CS27 zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS27 - 7
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VII),`
	`  latitudeOfFalseOrigin: new Degree(34.133333333333),`
	`  longitudeOfFalseOrigin: new Degree(-118.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(34.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.866666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4186692.58),`
	`  northingAtFalseOrigin: new USSurveyFoot(4160926.74)`
	`)`

to NAD27 / Colorado Central (Projected)

EPSG	PHPCoord

Name: Colorado CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Colorado North (Projected)

EPSG	PHPCoord

Name: Colorado CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Colorado South (Projected)

EPSG	PHPCoord

Name: Colorado CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Connecticut (Projected)

EPSG	PHPCoord

Name: Connecticut CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CONNECTICUT),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(600000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Conus Albers (Projected)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CONUS_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD27 / Cuba Norte (Projected)

EPSG	PHPCoord

Name: Cuba Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cuba - onshore north of 21°30'N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CUBA_NORTE),`
	`  latitudeOfFalseOrigin: new Degree(22.35),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(23),`
	`  latitudeOf2ndStandardParallel: new Degree(21.7),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(280296.016)`
	`)`

to NAD27 / Cuba Sur (Projected)

EPSG	PHPCoord

Name: Cuba Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cuba - onshore south of 21°30'N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CUBA_SUR),`
	`  latitudeOfFalseOrigin: new Degree(20.716666666667),`
	`  longitudeOfFalseOrigin: new Degree(-76.833333333333),`
	`  latitudeOf1stStandardParallel: new Degree(21.3),`
	`  latitudeOf2ndStandardParallel: new Degree(20.133333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(229126.939)`
	`)`

to NAD27 / Delaware (Projected)

EPSG	PHPCoord

Name: Delaware CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_DELAWARE),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Florida East (Projected)

EPSG	PHPCoord

Name: Florida CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Florida North (Projected)

EPSG	PHPCoord

Name: Florida CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Florida West (Projected)

EPSG	PHPCoord

Name: Florida CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Georgia East (Projected)

EPSG	PHPCoord

Name: Georgia CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_GEORGIA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Georgia West (Projected)

EPSG	PHPCoord

Name: Georgia CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_GEORGIA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Idaho Central (Projected)

EPSG	PHPCoord

Name: Idaho CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Idaho East (Projected)

EPSG	PHPCoord

Name: Idaho CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Idaho West (Projected)

EPSG	PHPCoord

Name: Idaho CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Illinois East (Projected)

EPSG	PHPCoord

Name: Illinois CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ILLINOIS_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Illinois West (Projected)

EPSG	PHPCoord

Name: Illinois CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_ILLINOIS_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Indiana East (Projected)

EPSG	PHPCoord

Name: Indiana CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_INDIANA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Indiana West (Projected)

EPSG	PHPCoord

Name: Indiana CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_INDIANA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Iowa North (Projected)

EPSG	PHPCoord

Name: Iowa CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_IOWA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Iowa South (Projected)

EPSG	PHPCoord

Name: Iowa CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_IOWA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Kansas North (Projected)

EPSG	PHPCoord

Name: Kansas CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_KANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Kansas South (Projected)

EPSG	PHPCoord

Name: Kansas CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_KANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Kentucky North (Projected)

EPSG	PHPCoord

Name: Kentucky CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_KENTUCKY_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Kentucky South (Projected)

EPSG	PHPCoord

Name: Kentucky CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_KENTUCKY_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(36.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Louisiana North (Projected)

EPSG	PHPCoord

Name: Louisiana CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(30.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(31.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Louisiana Offshore (Projected)

EPSG	PHPCoord

Name: Louisiana CS27 Offshore zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_OFFSHORE),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Louisiana South (Projected)

EPSG	PHPCoord

Name: Louisiana CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(28.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(29.3),`
	`  latitudeOf2ndStandardParallel: new Degree(30.7),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / MTM zone 1 (Projected)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTM zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTM zone 2 (Projected)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTM zone 3 (Projected)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTM zone 4 (Projected)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTM zone 5 (Projected)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTM zone 6 (Projected)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / MTQ Lambert (Projected)

EPSG	PHPCoord

Name: Ministry of Transport of Quebec Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MTQ_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-70),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD27 / Maine East (Projected)

EPSG	PHPCoord

Name: Maine CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MAINE_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Maine West (Projected)

EPSG	PHPCoord

Name: Maine CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MAINE_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Maryland (Projected)

EPSG	PHPCoord

Name: Maryland CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MARYLAND),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(38.3),`
	`  latitudeOf2ndStandardParallel: new Degree(39.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(800000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Massachusetts Island (Projected)

EPSG	PHPCoord

Name: Massachusetts CS27 Island zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(200000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Massachusetts Mainland (Projected)

EPSG	PHPCoord

Name: Massachusetts CS27 Mainland zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_MAINLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.683333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(600000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Michigan Central (Projected)

EPSG	PHPCoord

Name: Michigan CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SPMichigan(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.7),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0),`
	`  ellipsoidScalingFactor: new Unity(1.0000382)`
	`)`

to NAD27 / Michigan East (Projected)

EPSG	PHPCoord

Name: Michigan State Plane East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-83.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999942857),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Michigan North (Projected)

EPSG	PHPCoord

Name: Michigan CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SPMichigan(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(45.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.083333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0),`
	`  ellipsoidScalingFactor: new Unity(1.0000382)`
	`)`

to NAD27 / Michigan Old Central (Projected)

EPSG	PHPCoord

Name: Michigan State Plane Old Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - old central
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_OLD_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Michigan South (Projected)

EPSG	PHPCoord

Name: Michigan CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SPMichigan(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(42.1),`
	`  latitudeOf2ndStandardParallel: new Degree(43.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0),`
	`  ellipsoidScalingFactor: new Unity(1.0000382)`
	`)`

to NAD27 / Michigan West (Projected)

EPSG	PHPCoord

Name: Michigan State Plane West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Minnesota Central (Projected)

EPSG	PHPCoord

Name: Minnesota CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(45.616666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(47.05),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Minnesota North (Projected)

EPSG	PHPCoord

Name: Minnesota CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(47.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(48.633333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Minnesota South (Projected)

EPSG	PHPCoord

Name: Minnesota CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(43.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Mississippi East (Projected)

EPSG	PHPCoord

Name: Mississippi CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(29.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Mississippi West (Projected)

EPSG	PHPCoord

Name: Mississippi CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Missouri Central (Projected)

EPSG	PHPCoord

Name: Missouri CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Missouri East (Projected)

EPSG	PHPCoord

Name: Missouri CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Missouri West (Projected)

EPSG	PHPCoord

Name: Missouri CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Montana Central (Projected)

EPSG	PHPCoord

Name: Montana CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - SPCS27 - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(45.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Montana North (Projected)

EPSG	PHPCoord

Name: Montana CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(47.85),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Montana South (Projected)

EPSG	PHPCoord

Name: Montana CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(46.4),`
	`  latitudeOf2ndStandardParallel: new Degree(44.866666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Nebraska North (Projected)

EPSG	PHPCoord

Name: Nebraska CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEBRASKA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(41.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(41.85),`
	`  latitudeOf2ndStandardParallel: new Degree(42.816666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Nebraska South (Projected)

EPSG	PHPCoord

Name: Nebraska CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEBRASKA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-99.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Nevada Central (Projected)

EPSG	PHPCoord

Name: Nevada CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Nevada East (Projected)

EPSG	PHPCoord

Name: Nevada CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Nevada West (Projected)

EPSG	PHPCoord

Name: Nevada CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New Brunswick Stereographic (NAD27) (Projected)

EPSG	PHPCoord

Name: New Brunswick Stereographic (NAD27)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_BRUNSWICK_STEREOGRAPHIC_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Foot(1000000),`
	`  falseNorthing: new Foot(1000000)`
	`)`

to NAD27 / New Hampshire (Projected)

EPSG	PHPCoord

Name: New Hampshire CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_HAMPSHIRE),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New Jersey (Projected)

EPSG	PHPCoord

Name: New Jersey CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_JERSEY),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(2000000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New Mexico Central (Projected)

EPSG	PHPCoord

Name: New Mexico CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS27 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New Mexico East (Projected)

EPSG	PHPCoord

Name: New Mexico CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New Mexico West (Projected)

EPSG	PHPCoord

Name: New Mexico CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS27 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New York Central (Projected)

EPSG	PHPCoord

Name: New York CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New York East (Projected)

EPSG	PHPCoord

Name: New York CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-74.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / New York Long Island (Projected)

EPSG	PHPCoord

Name: New York CS27 Long Island zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_LONG_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(40.5),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(100000)`
	`)`

to NAD27 / New York West (Projected)

EPSG	PHPCoord

Name: New York CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / North Carolina (Projected)

EPSG	PHPCoord

Name: North Carolina CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NORTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(34.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / North Dakota North (Projected)

EPSG	PHPCoord

Name: North Dakota CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(48.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / North Dakota South (Projected)

EPSG	PHPCoord

Name: North Dakota CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(46.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Ohio North (Projected)

EPSG	PHPCoord

Name: Ohio CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_OHIO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.7),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Ohio South (Projected)

EPSG	PHPCoord

Name: Ohio CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_OHIO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Oklahoma North (Projected)

EPSG	PHPCoord

Name: Oklahoma CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_OKLAHOMA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Oklahoma South (Projected)

EPSG	PHPCoord

Name: Oklahoma CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_OKLAHOMA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(33.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(35.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Oregon North (Projected)

EPSG	PHPCoord

Name: Oregon CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_OREGON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Oregon South (Projected)

EPSG	PHPCoord

Name: Oregon CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_OREGON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Pennsylvania North (Projected)

EPSG	PHPCoord

Name: Pennsylvania CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.95),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Pennsylvania South (Projected)

EPSG	PHPCoord

Name: Pennsylvania CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Quebec Lambert (Projected)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_QUEBEC_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD27 / Rhode Island (Projected)

EPSG	PHPCoord

Name: Rhode Island CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_RHODE_ISLAND),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999938),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Shackleford (Projected)

EPSG	PHPCoord

Name: Shackleford
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_SHACKLEFORD),`
	`  latitudeOfFalseOrigin: new Degree(31.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.916666666667),`
	`  eastingAtFalseOrigin: new Foot(3000000),`
	`  northingAtFalseOrigin: new Foot(3000000)`
	`)`

to NAD27 / South Carolina North (Projected)

EPSG	PHPCoord

Name: South Carolina CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(33),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(33.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.966666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / South Carolina South (Projected)

EPSG	PHPCoord

Name: South Carolina CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(32.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / South Dakota North (Projected)

EPSG	PHPCoord

Name: South Dakota CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(44.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.683333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / South Dakota South (Projected)

EPSG	PHPCoord

Name: South Dakota CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(42.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.4),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Tennessee (Projected)

EPSG	PHPCoord

Name: Tennessee CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_TENNESSEE),`
	`  latitudeOfFalseOrigin: new Degree(34.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(35.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(100000)`
	`)`

to NAD27 / Texas Central (Projected)

EPSG	PHPCoord

Name: Texas CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.116666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Texas North (Projected)

EPSG	PHPCoord

Name: Texas CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(34.65),`
	`  latitudeOf2ndStandardParallel: new Degree(36.183333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Texas North Central (Projected)

EPSG	PHPCoord

Name: Texas CS27 North Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_NORTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-97.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.133333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Texas South (Projected)

EPSG	PHPCoord

Name: Texas CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(26.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(27.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Texas South Central (Projected)

EPSG	PHPCoord

Name: Texas CS27 South Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS27 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_SOUTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(28.383333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / US National Atlas Equal Area (Projected)

EPSG	PHPCoord

Name: US National Atlas Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA
	`$point->lambertAzimuthalEqualAreaSpherical(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_US_NATIONAL_ATLAS_EQUAL_AREA),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27 / Utah Central (Projected)

EPSG	PHPCoord

Name: Utah CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTAH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.016666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Utah North (Projected)

EPSG	PHPCoord

Name: Utah CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTAH_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Utah South (Projected)

EPSG	PHPCoord

Name: Utah CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_UTAH_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.35),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Vermont (Projected)

EPSG	PHPCoord

Name: Vermont CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_VERMONT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Virginia North (Projected)

EPSG	PHPCoord

Name: Virginia CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Virginia South (Projected)

EPSG	PHPCoord

Name: Virginia CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Washington North (Projected)

EPSG	PHPCoord

Name: Washington CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WASHINGTON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(47.5),`
	`  latitudeOf2ndStandardParallel: new Degree(48.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Washington South (Projected)

EPSG	PHPCoord

Name: Washington CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WASHINGTON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(45.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / West Virginia North (Projected)

EPSG	PHPCoord

Name: West Virginia CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(39),`
	`  latitudeOf2ndStandardParallel: new Degree(40.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / West Virginia South (Projected)

EPSG	PHPCoord

Name: West Virginia CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(37.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Wisconsin Central (Projected)

EPSG	PHPCoord

Name: Wisconsin CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Wisconsin North (Projected)

EPSG	PHPCoord

Name: Wisconsin CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(46.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Wisconsin South (Projected)

EPSG	PHPCoord

Name: Wisconsin CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(42.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD27 / Wisconsin Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-4500000)`
	`)`

to NAD27 / Wyoming East (Projected)

EPSG	PHPCoord

Name: Wyoming CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Wyoming East Central (Projected)

EPSG	PHPCoord

Name: Wyoming CS27 East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Wyoming West (Projected)

EPSG	PHPCoord

Name: Wyoming CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD27 / Wyoming West Central (Projected)

EPSG	PHPCoord

Name: Wyoming CS27 West Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NAD27
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile: NTv2NAD27NAD83CanadaProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile: NTv2NAD27NAD831986QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986AlaskaLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD27 to NAD83 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986CONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986CONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD27 to NAD83 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD831986SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83(CSRS)v2 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997NewBrunswickProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v2 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83(CSRS)v3 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario ex. Toronto
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997OntarioProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v3 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - Toronto
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997TorontoProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v3 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - CRD
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997BritishColumbiaCRDProvider-`
	`↪>provideGrid()`
	`)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83(CSRS)v4 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - mainland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS2002BritishColumbiaCRDProvider-`
	`↪>provideGrid()`
	`)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Ocotepeque 1935 to NAD27 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Central America - Guatemala to Costa Rica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OCOTEPEQUE_1935),`
	`  xAxisTranslation: new Metre(-205.435),`
	`  yAxisTranslation: new Metre(29.099),`
	`  zAxisTranslation: new Metre(292.202)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - central (DMA tfm)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-3),`
	`  yAxisTranslation: new Metre(142),`
	`  zAxisTranslation: new Metre(183)`
	`)`

Name: NAD27 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Central America - Belize to Costa Rica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(125),`
	`  zAxisTranslation: new Metre(194)`
	`)`

Name: NAD27 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NAD27
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-10),`
	`  yAxisTranslation: new Metre(158),`
	`  zAxisTranslation: new Metre(187)`
	`)`

Name: NAD27 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-8),`
	`  yAxisTranslation: new Metre(160),`
	`  zAxisTranslation: new Metre(176)`
	`)`

Name: NAD27 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS east of Mississippi River - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-9),`
	`  yAxisTranslation: new Metre(161),`
	`  zAxisTranslation: new Metre(179)`
	`)`

Name: NAD27 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS west of Mississippi River - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-8),`
	`  yAxisTranslation: new Metre(159),`
	`  zAxisTranslation: new Metre(175)`
	`)`

Name: NAD27 to WGS 84 (7)	`$point->geocentricTranslation(`

NAD27(76)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76)`

to NAD27(76) / MTM zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 11 (Projected)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 12 (Projected)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 13 (Projected)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 14 (Projected)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 15 (Projected)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 16 (Projected)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 17 (Projected)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / MTM zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_MTM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(76) / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪76_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD27(76) to NAD83 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD27MAY76NAD8319860ntarioProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: NAD27(76) to NAD83(CSRS)v3 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD27MAY76NAD83CSRS19970ntarioProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD27(76) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile:␣`
	`↪NTv2NAD27MAY76NAD8319860ntarioProvider->`
	`↪provideGrid()`
	`)`

NAD27(CGQ77)

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77)
```

to NAD27(CGQ77) / Quebec Lambert (Projected)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪CGQ77_QUEBEC_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪CGQ77_SCOPQ_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 3 (Projected)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 4 (Projected)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 5 (Projected)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 6 (Projected)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 7 (Projected)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / SCoPQ zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪CGQ77_SCOPQ_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪CGQ77_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_`
	`↪CGQ77_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD27(CGQ77) / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD27(CGQ77) to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD27CGQ77NAD831986QuebecProvider->provideGrid()`
	`)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: NAD27(CGQ77) to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  offsetsFile: NTv2NAD27CGQ77NAD83CSRS1997QuebecProvider->provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD27(CGQ77) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  offsetsFile: NTv2NAD27CGQ77NAD831986QuebecProvider->provideGrid()`
	`)`

NAD83

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83)`

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to NAD83 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  offsetsFile: NTv2ATS77NAD831986NovaScotiaProvider->provideGrid()`
	`)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NAD27
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  offsetsFile: NTv2NAD27NAD83CanadaProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  offsetsFile: NTv2NAD27NAD831986QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986AlaskaLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD27 to NAD83 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986CONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD27NAD831986CONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD27 to NAD83 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD831986SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: NAD27(76) to NAD83 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  offsetsFile: NTv2NAD27MAY76NAD831986OntarioProvider->provideGrid()`
	`)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: NAD27(CGQ77) to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  offsetsFile: NTv2NAD27CGQ77NAD831986QuebecProvider->provideGrid()`
	`)`

to NAD83 / Alabama East (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ALABAMA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alabama West (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ALABAMA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska Albers (Projected)

EPSG	PHPCoord

Name: Alaska Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Alaska zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_1),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to NAD83 / Alaska zone 10 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 10 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_10),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Alaska zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 7 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 7 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 8 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 8 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alaska zone 9 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 9 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALASKA_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alberta 10-TM (Forest) (Projected)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Forest)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALBERTA_10_TM_FOREST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alberta 10-TM (Resource) (Projected)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Resource)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALBERTA_10_TM_RESOURCE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alberta 3TM ref merid 111 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALBERTA_3TM_REF_MERID_111_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alberta 3TM ref merid 114 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALBERTA_3TM_REF_MERID_114_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alberta 3TM ref merid 117 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALBERTA_3TM_REF_MERID_117_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Alberta 3TM ref merid 120 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ALBERTA_3TM_REF_MERID_120_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Arizona Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪ARIZONA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.`
	`↪91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Arizona Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83 / Arizona East (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Arizona East (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83 / Arizona West (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Arizona West (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83 / Arkansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Arkansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Arkansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83 / Arkansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83 / BC Albers (Projected)

EPSG	PHPCoord

Name: British Columbia Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BC_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-126),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(58.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / BLM 10N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 10N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_10N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 11N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 11N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_11N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 12N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 12N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_12N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 13N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 13N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_13N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 14N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 14N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 102°W to 96°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_14N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 15N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 15N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 96°W to 90°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_15N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 16N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 16N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 90°W to 84°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_16N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 17N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 17N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 84°W to 78°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_17N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 18N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 18N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_18N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 19N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 19N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_19N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 1N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 1N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 180°W to 174°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_1N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 2N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 2N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°W to 168°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_2N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 3N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 3N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 168°W to 162°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_3N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 4N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 4N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 162°W to 156°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_4N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 59N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 59N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - west of 174°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_59N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 5N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 5N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 156°W to 150°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_5N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 60N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 60N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°E to 180°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_60N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 6N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 6N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 150°W to 144°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_6N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 7N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 7N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_7N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 8N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 8N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_8N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / BLM 9N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 9N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_BLM_9N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / California Albers (Projected)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

to NAD83 / California zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / California zone 1 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / California zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / California zone 2 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / California zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / California zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / California zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / California zone 4 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / California zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / California zone 5 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / California zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / California zone 6 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / Canada Atlas Lambert (Projected)

EPSG	PHPCoord

Name: Canada Atlas Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CANADA_ATLAS_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(-95),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Colorado Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83 / Colorado Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83 / Colorado North (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83 / Colorado North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83 / Colorado South (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83 / Colorado South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83 / Connecticut (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CONNECTICUT),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

to NAD83 / Connecticut (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CONNECTICUT_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

to NAD83 / Conus Albers (Projected)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CONUS_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Delaware (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_DELAWARE),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Delaware (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_DELAWARE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Florida East (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Florida East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Florida GDL Albers (Projected)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_GDL_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Florida North (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Florida North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Florida West (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Florida West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Georgia East (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Georgia East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪GEORGIA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.`
	`↪166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Georgia West (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪GEORGIA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.`
	`↪166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Georgia West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪GEORGIA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.`
	`↪166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Great Lakes Albers (Projected)

EPSG	PHPCoord

Name: Great Lakes Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Great Lakes basin
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(45.568977),`
	`  longitudeOfFalseOrigin: new Degree(-84.455955),`
	`  latitudeOf1stStandardParallel: new Degree(42.122774),`
	`  latitudeOf2ndStandardParallel: new Degree(49.01518),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Great Lakes and St Lawrence Albers (Projected)

EPSG	PHPCoord

Name: Great Lakes and St Lawrence Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Great Lakes basin and St Lawrence Seaway
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_AND_ST_LAWRENCE_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(45.568977),`
	`  longitudeOfFalseOrigin: new Degree(-83.248627),`
	`  latitudeOf1stStandardParallel: new Degree(42.122774),`
	`  latitudeOf2ndStandardParallel: new Degree(49.01518),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Hawaii zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Hawaii zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Hawaii zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Hawaii zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Hawaii zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Hawaii zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Idaho Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Idaho Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Idaho East (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Idaho East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Idaho Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Idaho Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(1200000)`
	`)`

to NAD83 / Idaho West (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Idaho West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Illinois East (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Illinois East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Illinois West (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Illinois West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Indiana East (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83 / Indiana East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83 / Indiana West (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83 / Indiana West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83 / Iowa North (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Iowa North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83 / Iowa South (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Iowa South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Kansas LCC (Projected)

EPSG	PHPCoord

Name: Kansas DOT Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Kansas LCC (ftUS) (Projected)

EPSG	PHPCoord

Name: Kansas DOT Lambert (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Kansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Kansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Kansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83 / Kansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83 / Kentucky North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Kentucky North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Kentucky Single Zone (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Kentucky Single Zone (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83 / Kentucky South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83 / Kentucky South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83 / Louisiana North (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Louisiana North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Louisiana Offshore (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana Offshore zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE),`
	`  latitudeOfFalseOrigin: new Degree(25.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Louisiana Offshore (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana Offshore zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(25.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Louisiana South (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Louisiana South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / MTM zone 1 (Projected)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 11 (Projected)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 12 (Projected)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 13 (Projected)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 14 (Projected)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 15 (Projected)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 16 (Projected)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 17 (Projected)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 2 (Projected)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 3 (Projected)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 4 (Projected)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 5 (Projected)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 6 (Projected)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 7 (Projected)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTM zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / MTQ Lambert (Projected)

EPSG	PHPCoord

Name: Ministry of Transport of Quebec Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MTQ_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-70),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Maine CS2000 Central (Projected)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Maine CS2000 East (Projected)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Maine CS2000 West (Projected)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Maine East (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Maine East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Maine West (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Maine West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MAINE_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Maryland (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MARYLAND),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Maryland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MARYLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Massachusetts Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Massachusetts Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Massachusetts Mainland (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

to NAD83 / Massachusetts Mainland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

to NAD83 / Michigan Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Michigan Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Michigan North (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Michigan North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Michigan Oblique Mercator (Projected)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_OBLIQUE_MERCATOR),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

to NAD83 / Michigan South (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Michigan South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Minnesota Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83 / Minnesota Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83 / Minnesota North (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83 / Minnesota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83 / Minnesota South (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83 / Minnesota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83 / Mississippi East (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Mississippi East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MISSISSIPPI_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Mississippi TM (Projected)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MISSISSIPPI_TM),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to NAD83 / Mississippi West (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MISSISSIPPI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Mississippi West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MISSISSIPPI_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Missouri Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MISSOURI_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(35.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Missouri East (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Missouri West (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Montana (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MONTANA),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Montana (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪MONTANA_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / NCRS Las Vegas (ftUS) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NCRS_LAS_VEGAS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.`
	`↪96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(656166.6667)`
	`)`

to NAD83 / NCRS Las Vegas (m) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_M),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NAD83 / NCRS Las Vegas high (ftUS) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000135),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83 / NCRS Las Vegas high (m) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_M),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000135),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(400000)`
	`)`

to NAD83 / NWT Lambert (Projected)

EPSG	PHPCoord

Name: Northwest Territories Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NWT
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NWT_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-112),`
	`  latitudeOf1stStandardParallel: new Degree(62),`
	`  latitudeOf2ndStandardParallel: new Degree(70),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Nebraska (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEBRASKA),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Nebraska (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEBRASKA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Nevada Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

to NAD83 / Nevada Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

to NAD83 / Nevada East (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

to NAD83 / Nevada East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

to NAD83 / Nevada West (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to NAD83 / Nevada West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

to NAD83 / New Hampshire (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New Hampshire (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New Jersey (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New Jersey (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New Mexico Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New Mexico Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New Mexico East (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New Mexico East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New Mexico West (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New Mexico West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New York Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New York Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New York East (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New York East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / New York Long Island (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / New York Long Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NEW_YORK_LONG_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.`
	`↪166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.`
	`↪033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / New York West (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NEW_YORK_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.`
	`↪583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / New York West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / North Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / North Carolina (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NORTH_CAROLINA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.`
	`↪166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new`
	`↪USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / North Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NORTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.`
	`↪733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.`
	`↪433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / North Dakota North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / North Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / North Dakota South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Ohio North (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Ohio North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Ohio South (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Ohio South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Oklahoma North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Oklahoma North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Oklahoma South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Oklahoma South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Ontario MNR Lambert (Projected)

EPSG	PHPCoord

Name: Ontario MNR Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_ONTARIO_MNR_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-85),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(53.5),`
	`  eastingAtFalseOrigin: new Metre(930000),`
	`  northingAtFalseOrigin: new Metre(6430000)`
	`)`

to NAD83 / Oregon GIC Lambert (ft) (Projected)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪OREGON_GIC_LAMBERT_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Oregon LCC (m) (Projected)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪OREGON_LCC_M),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Oregon North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Oregon North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Oregon South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Oregon South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / Pennsylvania North (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Pennsylvania North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Pennsylvania South (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Pennsylvania South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Puerto Rico & Virgin Is. (Projected)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PUERTO_RICO_AND_VIRGIN_IS),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to NAD83 / Quebec Albers (Projected)

EPSG	PHPCoord

Name: Quebec Albers Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_QUEBEC_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Quebec Lambert (Projected)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_QUEBEC_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Rhode Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Rhode Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / South Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / South Carolina (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA_FT),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83 / South Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / South Dakota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / South Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / South Dakota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Statistics Canada Lambert (Projected)

EPSG	PHPCoord

Name: Statistics Canada Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_STATISTICS_CANADA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(63.390675),`
	`  longitudeOfFalseOrigin: new Degree(-91.866666666667),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(6200000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83 / TWDB GM (Projected)

EPSG	PHPCoord

Name: TWDB Groundwater Modeling (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TWDB_GM),`
	`  latitudeOfFalseOrigin: new Degree(31.25),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(19685000)`
	`)`

to NAD83 / Tennessee (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TENNESSEE),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Tennessee (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TENNESSEE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Teranet Ontario Lambert (Projected)

EPSG	PHPCoord

Name: Teranet Ontario Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TERANET_ONTARIO_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(54.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Texas Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪TEXAS_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(29.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.`
	`↪33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.`
	`↪883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.`
	`↪116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83 / Texas Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪TEXAS_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.`
	`↪33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.`
	`↪883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.`
	`↪116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.`
	`↪333),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(9842500)`
	`)`

to NAD83 / Texas Centric Albers Equal Area (Projected)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_ALBERS_EQUAL_AREA),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

to NAD83 / Texas Centric Lambert Conformal (Projected)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_LAMBERT_CONFORMAL),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83 / Texas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Texas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(3280833.333)`
	`)`

to NAD83 / Texas North Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83 / Texas North Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83 / Texas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83 / Texas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

to NAD83 / Texas South Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

to NAD83 / Texas South Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

to NAD83 / Texas State Mapping System (Projected)

EPSG	PHPCoord

Name: Texas State Mapping System (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_STATE_MAPPING_SYSTEM),`
	`  latitudeOfFalseOrigin: new Degree(31.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.916666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / USFS R6 Albers (Projected)

EPSG	PHPCoord

Name: US Forest Service region 6 Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon and Washington
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_USFS_R6_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(48),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Utah Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83 / Utah Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(6561679.79)`
	`)`

to NAD83 / Utah Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.6667)`
	`)`

to NAD83 / Utah North (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Utah North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(3280839.895)`
	`)`

to NAD83 / Utah North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83 / Utah South (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83 / Utah South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(9842519.685)`
	`)`

to NAD83 / Utah South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83 / Vermont (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VERMONT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Vermont (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VERMONT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Virginia Lambert (Projected)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83 / Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83 / Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83 / Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(3280833.333)`
	`)`

to NAD83 / Washington North (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Washington North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Washington South (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Washington South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / West Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / West Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / West Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / West Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Wisconsin Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Wisconsin Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Wisconsin North (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Wisconsin North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Wisconsin South (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83 / Wisconsin South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83 / Wisconsin Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

to NAD83 / Wyoming East (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Wyoming East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪WYOMING_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Wyoming East Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪WYOMING_EAST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83 / Wyoming East Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83 / Wyoming Lambert (Projected)

EPSG	PHPCoord

Name: Wyoming Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-107.5),`
	`  latitudeOf1stStandardParallel: new Degree(41),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to NAD83 / Wyoming West (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83 / Wyoming West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83 / Wyoming West Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83 / Wyoming West Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83 / Yukon Albers (Projected)

EPSG	PHPCoord

Name: Yukon Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Yukon
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_YUKON_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(59),`
	`  longitudeOfFalseOrigin: new Degree(-132.5),`
	`  latitudeOf1stStandardParallel: new Degree(61.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(68),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - GoM OCS
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS) (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Atlantic offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v2 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V2),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v3 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997OntarioProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v3 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - CRD
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997BritishColumbiaCRDProvider-`
	`↪>provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v3 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - north Vancouver Is
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997BritishColumbiaVancouverIslandProvider`
	`↪>provideGrid()`
	`)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v4 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - mainland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS2002BritishColumbiaCRDProvider-`
	`↪>provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v4 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS2002AlbertaProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v6 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V6),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS2010NewfoundlandProvider->`
	`↪provideGrid()`
	`)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v7 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V7),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS2010AlbertaProvider->`
	`↪provideGrid()`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(HARN) (48)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska including EEZ
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831992AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831992AlaskaLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD83 to NAD83(HARN) (47)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD83HARNCONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD83HARNCONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD83 to NAD83(HARN) (49)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993HawaiiLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993HawaiiLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD83 to NAD83(HARN) (50)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Old Hawaiian to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OLD_HAWAIIAN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5OHDNAD831986HawaiiLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5OHDNAD831986HawaiiLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to Puerto Rico (Geographic2D)

EPSG	PHPCoord

Name: Puerto Rico to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PUERTO_RICO),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5PR40NAD831986PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5PR40NAD831986PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to St. George Island (Geographic2D)

EPSG	PHPCoord

Name: St. George Island to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - St. George Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST_GEORGE_ISLAND),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5SG1952NAD831986StGeorgeLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5SG1952NAD831986StGeorgeLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to St. Lawrence Island (Geographic2D)

EPSG	PHPCoord

Name: St. Lawrence Island to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - St. Lawrence Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST_LAWRENCE_ISLAND),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5SL1952NAD831986StLawrenceLatitudeProvider-`
	`↪>provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5SL1952NAD831986StLawrenceLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to St. Paul Island (Geographic2D)

EPSG	PHPCoord

Name: St. Paul Island to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - St. Paul Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST_PAUL_ISLAND),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5SP1952NAD831986StPaulLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5SP1952NAD831986StPaulLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada and USA (CONUS, Alaska mainland)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Name: NAD83 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-2),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(4)`
	`)`

Name: NAD83 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - main islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(1),`
	`  yAxisTranslation: new Metre(1),`
	`  zAxisTranslation: new Metre(-1)`
	`)`

Name: NAD83 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS2002AlbertaProvider->`
	`↪provideGrid()`
	`)`

NAD83(2011)

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - GoM OCS
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to NAD83(2011) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_2011)`
	`)`

to NAD83(2011) / Adjusted Jackson (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Adjusted Jackson County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ADJUSTED_JACKSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335322222),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296513889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new USSurveyFoot(88582.5),`
	`  falseNorthing: new USSurveyFoot(82020.833)`
	`)`

to NAD83(2011) / Alabama East (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alabama East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Alabama West (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alabama West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Alaska Albers (Projected)

EPSG	PHPCoord

Name: Alaska Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_1),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to NAD83(2011) / Alaska zone 10 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 10 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_10),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 7 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 7 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 8 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 8 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Alaska zone 9 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 9 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Amtrak NECCS21 (ft) (Projected)

EPSG	PHPCoord

Name: Amtrak North East Corridor Coordinate System 2021 (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Amtrak NE corridor
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_AMTRAK_NECCS21_FT),`
	`  latitudeOfProjectionCentre: new Degree(40.833333333333),`
	`  longitudeOfProjectionCentre: new Degree(-74),`
	`  azimuthOfInitialLine: new Degree(58),`
	`  angleFromRectifiedToSkewGrid: new Degree(58),`
	`  scaleFactorOnInitialLine: new Unity(0.99999),`
	`  eastingAtProjectionCentre: new Foot(1500000),`
	`  northingAtProjectionCentre: new Foot(1500000)`
	`)`

to NAD83(2011) / Arizona Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Arizona Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Arizona East (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Arizona East (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Arizona West (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Arizona West (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Arkansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Arkansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Arkansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83(2011) / Arkansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(2011) / California Albers (Projected)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

to NAD83(2011) / California zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / California zone 1 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / California zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / California zone 2 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / California zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / California zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / California zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / California zone 4 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / California zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / California zone 5 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / California zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / California zone 6 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / Colorado Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(2011) / Colorado Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(2011) / Colorado North (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(2011) / Colorado North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(2011) / Colorado South (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(2011) / Colorado South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(2011) / Connecticut (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

to NAD83(2011) / Connecticut (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

to NAD83(2011) / Conus Albers (Projected)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_CONUS_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Delaware (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Delaware (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / EPSG Arctic zone 5-29 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 173°W to 153°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_29),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-163),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(2011) / EPSG Arctic zone 5-31 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 157°W to 137°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_31),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(2011) / EPSG Arctic zone 6-14 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 174°W to 156°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_14),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-165),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(2011) / EPSG Arctic zone 6-16 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 156°W to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_16),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(2011) / Florida East (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Florida East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Florida GDL Albers (Projected)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_GDL_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Florida North (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Florida North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Florida West (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Florida West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Georgia East (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Georgia East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Georgia West (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Georgia West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / ICS83-Aurora (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Aurora zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Boone, Dekalb, Kane, Kendall, McHenry
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_AURORA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new USSurveyFoot(3773000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Belleville (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Belleville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Madison, Monroe, St Clair
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BELLEVILLE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(32.35),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000016),`
	`  falseEasting: new USSurveyFoot(9678000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Bloomington (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Bloomington zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - McLean
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BLOOMINGTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(3773000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

to NAD83(2011) / ICS83-Carbondale (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Carbondale zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Carbondale zone
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARBONDALE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.9),`
	`  longitudeOfNaturalOrigin: new Degree(-88.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000012),`
	`  falseEasting: new USSurveyFoot(2395000),`
	`  falseNorthing: new USSurveyFoot(3773000)`
	`)`

to NAD83(2011) / ICS83-Carlinville (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Carlinville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Greene, Macoupin
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARLINVILLE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-90.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(5741000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

to NAD83(2011) / ICS83-Champaign (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Champaign zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Champaign, Vermilion
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHAMPAIGN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(328000),`
	`  falseNorthing: new USSurveyFoot(2822000)`
	`)`

to NAD83(2011) / ICS83-Charleston (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Charleston zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Coles, Douglas, Edgar
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHARLESTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(3773000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

to NAD83(2011) / ICS83-Chicago (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Chicago zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Cook, DuPage, Lake
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHICAGO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-87.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(4757000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Decatur (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Decatur zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Dewitt, Macon, Moultrie, Piatt, Shelby
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_DECATUR_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.3),`
	`  longitudeOfNaturalOrigin: new Degree(-88.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(9678000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Effingham (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Effingham zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Bond, Effingham, Fayette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EFFINGHAM_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.95),`
	`  longitudeOfNaturalOrigin: new Degree(-89),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new USSurveyFoot(7710000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

to NAD83(2011) / ICS83-Eureka (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Eureka zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Marshall, Woodford
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EUREKA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.45),`
	`  longitudeOfNaturalOrigin: new Degree(-89.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(2756000),`
	`  falseNorthing: new USSurveyFoot(427000)`
	`)`

to NAD83(2011) / ICS83-Freeport (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Freeport zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Carroll, Jo Daviess, Stephenson
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_FREEPORT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.2),`
	`  longitudeOfNaturalOrigin: new Degree(-89.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new USSurveyFoot(1804000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

to NAD83(2011) / ICS83-Galesburg (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Galesburg zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Fulton, Knox, Stark
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_GALESBURG_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.25),`
	`  longitudeOfNaturalOrigin: new Degree(-90.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(230000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Jacksonville (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Jacksonville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Morgan, Pike, Scott
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JACKSONVILLE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-90.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(1247000),`
	`  falseNorthing: new USSurveyFoot(2822000)`
	`)`

to NAD83(2011) / ICS83-Jerseyville (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Jerseyville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Calhoun, Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JERSEYVILLE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(32.85),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new USSurveyFoot(4757000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Joliet (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Joliet zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Kankakee, Will
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JOLIET_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(8694000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Lincoln (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Lincoln zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Cass, Logan, Mason, Menard
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_LINCOLN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-89.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000018),`
	`  falseEasting: new USSurveyFoot(8760000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

to NAD83(2011) / ICS83-Macomb (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Macomb zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Brown, McDonough, Schuyler
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MACOMB_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.8),`
	`  longitudeOfNaturalOrigin: new Degree(-90.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(7710000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Metropolis (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Metropolis zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Metropolis zone
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_METROPOLIS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.2),`
	`  longitudeOfNaturalOrigin: new Degree(-88.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new USSurveyFoot(3642000),`
	`  falseNorthing: new USSurveyFoot(3839000)`
	`)`

to NAD83(2011) / ICS83-Moline (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Moline zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Rock Island
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOLINE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.55),`
	`  longitudeOfNaturalOrigin: new Degree(-90.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(5741000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

to NAD83(2011) / ICS83-Monmouth (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Monmouth zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Henderson, Mercer, Warren
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MONMOUTH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.2),`
	`  longitudeOfNaturalOrigin: new Degree(-90.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(9678000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Mount Vernon (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Mount Vernon zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Clinton, Jefferson, Marion, Washington
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOUNT_VERNON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.45),`
	`  longitudeOfNaturalOrigin: new Degree(-89.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(328000),`
	`  falseNorthing: new USSurveyFoot(3773000)`
	`)`

to NAD83(2011) / ICS83-Olney (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Olney zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Olney zone
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OLNEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.55),`
	`  longitudeOfNaturalOrigin: new Degree(-88.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new USSurveyFoot(1247000),`
	`  falseNorthing: new USSurveyFoot(3773000)`
	`)`

to NAD83(2011) / ICS83-Ottawa (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Ottawa zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Bureau, Grundy, LaSalle, Putnam
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OTTAWA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.3),`
	`  longitudeOfNaturalOrigin: new Degree(-89.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(7743000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

to NAD83(2011) / ICS83-Peoria (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Peoria zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Peoria, Tazewell
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PEORIA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.4),`
	`  longitudeOfNaturalOrigin: new Degree(-89.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(1378000),`
	`  falseNorthing: new USSurveyFoot(622000)`
	`)`

to NAD83(2011) / ICS83-Pontiac (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Pontiac zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Livingston
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PONTIAC_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-88.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(4757000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

to NAD83(2011) / ICS83-Quincy (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Quincy zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Adams, Hancock
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_QUINCY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-91.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(6726000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Robinson (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Robinson zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Clark, Crawford, Cumberland, Jasper
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROBINSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000017),`
	`  falseEasting: new USSurveyFoot(8694000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

to NAD83(2011) / ICS83-Rockford (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Rockford zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Lee, Ogle, Winnebago
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROCKFORD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-89.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new USSurveyFoot(2822000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Springfield (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Springfield zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Sangamon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_SPRINGFIELD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.75),`
	`  longitudeOfNaturalOrigin: new Degree(-89.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(2329000),`
	`  falseNorthing: new USSurveyFoot(2887000)`
	`)`

to NAD83(2011) / ICS83-Sterling (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Sterling zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Henry, Whiteside
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_ICS83_STERLING_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.55),`
	`  longitudeOfNaturalOrigin: new Degree(-90.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(6726000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

to NAD83(2011) / ICS83-Taylorville (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Taylorville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Christian, Montgomery
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_ICS83_TAYLORVILLE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(33.15),`
	`  longitudeOfNaturalOrigin: new Degree(-89.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000023),`
	`  falseEasting: new USSurveyFoot(6726000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

to NAD83(2011) / ICS83-Watseka (ftUS) (Projected)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Watseka zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Ford, Iroquois
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_ICS83_WATSEKA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000024),`
	`  falseEasting: new USSurveyFoot(5741000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

to NAD83(2011) / IaRCS zone 1 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 1 Spencer
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Spencer
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(43.2),`
	`  longitudeOfNaturalOrigin: new Degree(-95.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000052),`
	`  falseEasting: new USSurveyFoot(11500000),`
	`  falseNorthing: new USSurveyFoot(9600000)`
	`)`

to NAD83(2011) / IaRCS zone 10 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 10 Cedar Rapids
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Cedar Rapids
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(41.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(20500000),`
	`  falseNorthing: new USSurveyFoot(8000000)`
	`)`

to NAD83(2011) / IaRCS zone 11 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 11 Dubuque-Davenport
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Dubuque-Davenport
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-90.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(21500000),`
	`  falseNorthing: new USSurveyFoot(7600000)`
	`)`

to NAD83(2011) / IaRCS zone 12 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 12 Red Oak-Ottumwa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Red Oak-Ottumwa
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(40.916666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-93.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000037),`
	`  falseEasting: new USSurveyFoot(22500000),`
	`  falseNorthing: new USSurveyFoot(6200000)`
	`)`

to NAD83(2011) / IaRCS zone 13 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 13 Fairfield
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Fairfield
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(23500000),`
	`  falseNorthing: new USSurveyFoot(6400000)`
	`)`

to NAD83(2011) / IaRCS zone 14 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 14 Burlington
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Burlington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-91.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000018),`
	`  falseEasting: new USSurveyFoot(24500000),`
	`  falseNorthing: new USSurveyFoot(6200000)`
	`)`

to NAD83(2011) / IaRCS zone 2 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 2 Mason City
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Mason City
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(43.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-92.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new USSurveyFoot(12500000),`
	`  falseNorthing: new USSurveyFoot(9800000)`
	`)`

to NAD83(2011) / IaRCS zone 3 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 3 Elkader
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Elkader
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-91.2),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035),`
	`  falseEasting: new USSurveyFoot(13500000),`
	`  falseNorthing: new USSurveyFoot(8300000)`
	`)`

to NAD83(2011) / IaRCS zone 4 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 4 Sioux City-Iowa Falls
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Sioux City-Iowa Falls
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(42.533333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-94.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new USSurveyFoot(14500000),`
	`  falseNorthing: new USSurveyFoot(8600000)`
	`)`

to NAD83(2011) / IaRCS zone 5 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 5 Waterloo
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Waterloo
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(42.65),`
	`  longitudeOfNaturalOrigin: new Degree(-92.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032),`
	`  falseEasting: new USSurveyFoot(15500000),`
	`  falseNorthing: new USSurveyFoot(8900000)`
	`)`

to NAD83(2011) / IaRCS zone 6 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 6 Council Bluffs
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Council Bluffs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-95.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039),`
	`  falseEasting: new USSurveyFoot(16500000),`
	`  falseNorthing: new USSurveyFoot(6600000)`
	`)`

to NAD83(2011) / IaRCS zone 7 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 7 Carroll-Atlantic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Carroll-Atlantic
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-94.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new USSurveyFoot(17500000),`
	`  falseNorthing: new USSurveyFoot(6800000)`
	`)`

to NAD83(2011) / IaRCS zone 8 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 8 Ames-Des Moines
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Ames-Des Moines
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-93.716666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new USSurveyFoot(18500000),`
	`  falseNorthing: new USSurveyFoot(7000000)`
	`)`

to NAD83(2011) / IaRCS zone 9 (Projected)

EPSG	PHPCoord

Name: Iowa regional zone 9 Newton
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Newton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-92.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(19500000),`
	`  falseNorthing: new USSurveyFoot(7200000)`
	`)`

to NAD83(2011) / Idaho Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Idaho Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Idaho East (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Idaho East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Idaho West (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Idaho West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Illinois East (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Illinois East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Illinois West (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Illinois West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / InGCS Adams (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Adams (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Adams
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Adams (m) (Projected)

EPSG	PHPCoord

Name: InGCS Adams (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Adams
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Allen (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Allen (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Allen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Allen (m) (Projected)

EPSG	PHPCoord

Name: InGCS Allen (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Allen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Bartholomew (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Bartholomew (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Bartholomew
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Bartholomew (m) (Projected)

EPSG	PHPCoord

Name: InGCS Bartholomew (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Bartholomew
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_M),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Benton (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Benton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Benton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Benton (m) (Projected)

EPSG	PHPCoord

Name: InGCS Benton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Benton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Blackford-Delaware (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Blackford-Delaware (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Blackford and Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.05),`
	`  longitudeOfNaturalOrigin: new Degree(-85.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Blackford-Delaware (m) (Projected)

EPSG	PHPCoord

Name: InGCS Blackford-Delaware (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Blackford and Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.05),`
	`  longitudeOfNaturalOrigin: new Degree(-85.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Boone-Hendricks (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Boone-Hendricks (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Boone and Hendricks
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Boone-Hendricks (m) (Projected)

EPSG	PHPCoord

Name: InGCS Boone-Hendricks (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Boone and Hendricks
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Brown (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Brown (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Brown
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Brown (m) (Projected)

EPSG	PHPCoord

Name: InGCS Brown (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Brown
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_M),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Carroll (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Carroll (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Carroll
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.4),`
	`  longitudeOfNaturalOrigin: new Degree(-86.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Carroll (m) (Projected)

EPSG	PHPCoord

Name: InGCS Carroll (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Carroll
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.4),`
	`  longitudeOfNaturalOrigin: new Degree(-86.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Cass (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Cass (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Cass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-86.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Cass (m) (Projected)

EPSG	PHPCoord

Name: InGCS Cass (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Cass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-86.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Clark-Floyd-Scott (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Clark-Floyd-Scott (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clark, Floyd, Scott
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-85.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000021),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Clark-Floyd-Scott (m) (Projected)

EPSG	PHPCoord

Name: InGCS Clark-Floyd-Scott (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clark, Floyd, Scott
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-85.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000021),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Clay (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Clay (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Clay (m) (Projected)

EPSG	PHPCoord

Name: InGCS Clay (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Clinton (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Clinton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clinton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Clinton (m) (Projected)

EPSG	PHPCoord

Name: InGCS Clinton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clinton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Crawford-Lawrence-Orange (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Crawford-Lawrence-Orange (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Crawford, Lawrence, Orange
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_CRAWFORD_LAWRENCE_ORANGE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.1),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000025),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Crawford-Lawrence-Orange (m) (Projected)

EPSG	PHPCoord

Name: InGCS Crawford-Lawrence-Orange (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Crawford, Lawrence, Orange
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_CRAWFORD_LAWRENCE_ORANGE_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.1),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000025),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Daviess-Greene (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Daviess-Greene (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Daviess and Greene
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_DAVIESS_GREENE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000018),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Daviess-Greene (m) (Projected)

EPSG	PHPCoord

Name: InGCS Daviess-Greene (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Daviess and Greene
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000018),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS DeKalb (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS DeKalb (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - DeKalb
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS DeKalb (m) (Projected)

EPSG	PHPCoord

Name: InGCS DeKalb (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - DeKalb
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Dearborn-Ohio-Switzerland (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Dearborn-Ohio-Switzerland (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dearborn, Ohio, Switzerland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_DEARBORN_OHIO_SWITZERLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.65),`
	`  longitudeOfNaturalOrigin: new Degree(-84.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000029),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Dearborn-Ohio-Switzerland (m) (Projected)

EPSG	PHPCoord

Name: InGCS Dearborn-Ohio-Switzerland (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dearborn, Ohio, Switzerland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_DEARBORN_OHIO_SWITZERLAND_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.65),`
	`  longitudeOfNaturalOrigin: new Degree(-84.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000029),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Decatur-Rush (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Decatur-Rush (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Decatur and Rush
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_DECATUR_RUSH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-85.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Decatur-Rush (m) (Projected)

EPSG	PHPCoord

Name: InGCS Decatur-Rush (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Decatur and Rush
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-85.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Dubois-Martin (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Dubois-Martin (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dubois and Martin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Dubois-Martin (m) (Projected)

EPSG	PHPCoord

Name: InGCS Dubois-Martin (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dubois and Martin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Elkhart-Kosciusko-Wabash (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Elkhart-Kosciusko-Wabash (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Elkhart, Kosciusko, Wabash
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_WABASH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Elkhart-Kosciusko-Wabash (m) (Projected)

EPSG	PHPCoord

Name: InGCS Elkhart-Kosciusko-Wabash (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Elkhart, Kosciusko, Wabash
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_WABASH_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Fayette-Franklin-Union (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Fayette-Franklin-Union (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fayette, Franklin, Union
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_UNION_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Fayette-Franklin-Union (m) (Projected)

EPSG	PHPCoord

Name: InGCS Fayette-Franklin-Union (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fayette, Franklin, Union
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_UNION_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Fountain-Warren (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Fountain-Warren (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fountain and Warren
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.95),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Fountain-Warren (m) (Projected)

EPSG	PHPCoord

Name: InGCS Fountain-Warren (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fountain and Warren
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.95),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Fulton-Marshall-St. Joseph (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Fulton-Marshall-St. Joseph (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fulton, Marshall, St Joseph
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_JOSEPH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Fulton-Marshall-St. Joseph (m) (Projected)

EPSG	PHPCoord

Name: InGCS Fulton-Marshall-St. Joseph (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fulton, Marshall, St Joseph
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_JOSEPH_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Gibson (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Gibson (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Gibson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Gibson (m) (Projected)

EPSG	PHPCoord

Name: InGCS Gibson (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Gibson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Grant (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Grant (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Grant
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-85.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Grant (m) (Projected)

EPSG	PHPCoord

Name: InGCS Grant (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Grant
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-85.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Hamilton-Tipton (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Hamilton-Tipton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hamilton and Tipton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Hamilton-Tipton (m) (Projected)

EPSG	PHPCoord

Name: InGCS Hamilton-Tipton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hamilton and Tipton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Hancock-Madison (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Hancock-Madison (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hancock and Madison
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Hancock-Madison (m) (Projected)

EPSG	PHPCoord

Name: InGCS Hancock-Madison (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hancock and Madison
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Harrison-Washington (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Harrison-Washington (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Harrison and Washington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Harrison-Washington (m) (Projected)

EPSG	PHPCoord

Name: InGCS Harrison-Washington (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Harrison and Washington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(37.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Henry (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Henry (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Henry
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.75),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Henry (m) (Projected)

EPSG	PHPCoord

Name: InGCS Henry (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Henry
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.75),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Howard-Miami (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Howard-Miami (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Howard and Miami
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Howard-Miami (m) (Projected)

EPSG	PHPCoord

Name: InGCS Howard-Miami (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Howard and Miami
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Huntington-Whitley (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Huntington-Whitley (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Huntington and Whitley
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Huntington-Whitley (m) (Projected)

EPSG	PHPCoord

Name: InGCS Huntington-Whitley (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Huntington and Whitley
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Jackson (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Jackson (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Jackson (m) (Projected)

EPSG	PHPCoord

Name: InGCS Jackson (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Jasper-Porter (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Jasper-Porter (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jasper and Porter
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Jasper-Porter (m) (Projected)

EPSG	PHPCoord

Name: InGCS Jasper-Porter (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jasper and Porter
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Jay (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Jay (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Jay (m) (Projected)

EPSG	PHPCoord

Name: InGCS Jay (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jay
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Jefferson (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Jefferson (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jefferson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Jefferson (m) (Projected)

EPSG	PHPCoord

Name: InGCS Jefferson (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jefferson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Jennings (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Jennings (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jennings
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.8),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Jennings (m) (Projected)

EPSG	PHPCoord

Name: InGCS Jennings (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jennings
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.8),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Johnson-Marion (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Johnson-Marion (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Johnson and Marion
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Johnson-Marion (m) (Projected)

EPSG	PHPCoord

Name: InGCS Johnson-Marion (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Johnson and Marion
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Knox (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Knox (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Knox
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Knox (m) (Projected)

EPSG	PHPCoord

Name: InGCS Knox (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Knox
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS LaGrange-Noble (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS LaGrange-Noble (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaGrange and Noble
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000037),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS LaGrange-Noble (m) (Projected)

EPSG	PHPCoord

Name: InGCS LaGrange-Noble (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaGrange and Noble
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_LAGRANGE_NOBLE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000037),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS LaPorte-Pulaski-Starke (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS LaPorte-Pulaski-Starke (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaPorte, Pulaski, Starke
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_LAPORTE_PULASKI_STARKE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000027),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS LaPorte-Pulaski-Starke (m) (Projected)

EPSG	PHPCoord

Name: InGCS LaPorte-Pulaski-Starke (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaPorte, Pulaski, Starke
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_LAPORTE_PULASKI_STARKE_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000027),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Lake-Newton (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Lake-Newton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Lake and Newton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Lake-Newton (m) (Projected)

EPSG	PHPCoord

Name: InGCS Lake-Newton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Lake and Newton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Monroe-Morgan (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Monroe-Morgan (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Monroe and Morgan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Monroe-Morgan (m) (Projected)

EPSG	PHPCoord

Name: InGCS Monroe-Morgan (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Monroe and Morgan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_MONROE_MORGAN_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000028),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Montgomery-Putnam (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Montgomery-Putnam (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Montgomery and Putnam
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_MONTGOMERY_PUTNAM_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.45),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Montgomery-Putnam (m) (Projected)

EPSG	PHPCoord

Name: InGCS Montgomery-Putnam (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Montgomery and Putnam
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_INGCS_MONTGOMERY_PUTNAM_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.45),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Owen (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Owen (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Owen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Owen (m) (Projected)

EPSG	PHPCoord

Name: InGCS Owen (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Owen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Parke-Vermillion (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Parke-Vermillion (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Parke and Vermillion
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-87.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Parke-Vermillion (m) (Projected)

EPSG	PHPCoord

Name: InGCS Parke-Vermillion (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Parke and Vermillion
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-87.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Perry (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Perry (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Perry
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-86.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Perry (m) (Projected)

EPSG	PHPCoord

Name: InGCS Perry (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Perry
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_M),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-86.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Pike-Warrick (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Pike-Warrick (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Pike and Warrick
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.85),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Pike-Warrick (m) (Projected)

EPSG	PHPCoord

Name: InGCS Pike-Warrick (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Pike and Warrick
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_M),`
	`  latitudeOfNaturalOrigin: new Degree(37.85),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Posey (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Posey (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Posey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Posey (m) (Projected)

EPSG	PHPCoord

Name: InGCS Posey (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Posey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_M),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Randolph-Wayne (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Randolph-Wayne (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Randolph and Wayne
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000044),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Randolph-Wayne (m) (Projected)

EPSG	PHPCoord

Name: InGCS Randolph-Wayne (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Randolph and Wayne
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000044),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Ripley (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Ripley (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Ripley
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Ripley (m) (Projected)

EPSG	PHPCoord

Name: InGCS Ripley (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Ripley
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Shelby (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Shelby (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Shelby
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Shelby (m) (Projected)

EPSG	PHPCoord

Name: InGCS Shelby (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Shelby
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Spencer (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Spencer (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Spencer
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Spencer (m) (Projected)

EPSG	PHPCoord

Name: InGCS Spencer (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Spencer
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_M),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Steuben (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Steuben (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Steuben
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000041),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Steuben (m) (Projected)

EPSG	PHPCoord

Name: InGCS Steuben (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Steuben
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000041),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Sullivan (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Sullivan (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Sullivan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000017),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Sullivan (m) (Projected)

EPSG	PHPCoord

Name: InGCS Sullivan (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Sullivan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_M),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000017),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Tippecanoe-White (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Tippecanoe-White (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Tippecanoe and White
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Tippecanoe-White (m) (Projected)

EPSG	PHPCoord

Name: InGCS Tippecanoe-White (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Tippecanoe and White
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Vanderburgh (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Vanderburgh (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vanderburgh
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Vanderburgh (m) (Projected)

EPSG	PHPCoord

Name: InGCS Vanderburgh (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vanderburgh
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_M),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Vigo (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Vigo (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vigo
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Vigo (m) (Projected)

EPSG	PHPCoord

Name: InGCS Vigo (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vigo
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_M),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / InGCS Wells (ftUS) (Projected)

EPSG	PHPCoord

Name: InGCS Wells (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Wells
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

to NAD83(2011) / InGCS Wells (m) (Projected)

EPSG	PHPCoord

Name: InGCS Wells (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Wells
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_M),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

to NAD83(2011) / Indiana East (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83(2011) / Indiana East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83(2011) / Indiana West (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83(2011) / Indiana West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83(2011) / Iowa North (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(2011) / Iowa North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83(2011) / Iowa South (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Iowa South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 1 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 1 Goodland (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Goodland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-101.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000156),`
	`  falseEasting: new USSurveyFoot(1500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 10 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 10 Atchison (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Atchison
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(39.633333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-95.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004),`
	`  falseEasting: new USSurveyFoot(10500000),`
	`  falseNorthing: new USSurveyFoot(700000)`
	`)`

to NAD83(2011) / KS RCS zone 11 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 11 Kansas City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Kansas City
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-95.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new USSurveyFoot(11500000),`
	`  falseNorthing: new USSurveyFoot(600000)`
	`)`

to NAD83(2011) / KS RCS zone 12 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 12 Ulysses (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Ulysses
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-101.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new USSurveyFoot(12500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 13 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 13 Garden City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Garden City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-100.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000109),`
	`  falseEasting: new USSurveyFoot(13500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 14 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 14 Dodge City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Dodge City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-99.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000097),`
	`  falseEasting: new USSurveyFoot(14500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 15 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 15 Larned (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Larned
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-99.2),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000087),`
	`  falseEasting: new USSurveyFoot(15500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 16 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 16 Pratt (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Pratt
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-98.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000069),`
	`  falseEasting: new USSurveyFoot(16500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 17 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 17 Wichita (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Wichita
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(37.766666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-97.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000059),`
	`  falseEasting: new USSurveyFoot(17500000),`
	`  falseNorthing: new USSurveyFoot(400000)`
	`)`

to NAD83(2011) / KS RCS zone 18 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 18 Arkansas City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Arkansas City
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(37.183333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-97.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000055),`
	`  falseEasting: new USSurveyFoot(18500000),`
	`  falseNorthing: new USSurveyFoot(200000)`
	`)`

to NAD83(2011) / KS RCS zone 19 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 19 Coffeyville (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Coffeyville
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-95.966666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(19500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 2 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 2 Colby (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Colby
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-100.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000134),`
	`  falseEasting: new USSurveyFoot(2500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 20 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 20 Pittsburg (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Pittsburg
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-95.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(20500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 3 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 3 Oberlin (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Oberlin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-100.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000116),`
	`  falseEasting: new USSurveyFoot(3500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 4 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 4 Hays (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Hays
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-99.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000082),`
	`  falseEasting: new USSurveyFoot(4500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 5 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 5 Great Bend (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Great Bend
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-98.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000078),`
	`  falseEasting: new USSurveyFoot(5500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 6 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 6 Beliot (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Beloit
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-98.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000068),`
	`  falseEasting: new USSurveyFoot(6500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 7 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 7 Salina (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Salina
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-97.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000049),`
	`  falseEasting: new USSurveyFoot(7500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / KS RCS zone 8 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 8 Manhattan (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Manhattan
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(39.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-96.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000044),`
	`  falseEasting: new USSurveyFoot(8500000),`
	`  falseNorthing: new USSurveyFoot(600000)`
	`)`

to NAD83(2011) / KS RCS zone 9 (Projected)

EPSG	PHPCoord

Name: Kansas regional zone 9 Emporia (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Emporia
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(38.5),`
	`  longitudeOfNaturalOrigin: new Degree(-96.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new USSurveyFoot(9500000),`
	`  falseNorthing: new USSurveyFoot(300000)`
	`)`

to NAD83(2011) / Kansas LCC (Projected)

EPSG	PHPCoord

Name: Kansas DOT Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Kansas LCC (ftUS) (Projected)

EPSG	PHPCoord

Name: Kansas DOT Lambert (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Kansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Kansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Kansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83(2011) / Kansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(2011) / Kentucky North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Kentucky North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Kentucky Single Zone (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(2011) / Kentucky Single Zone (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(2011) / Kentucky South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(2011) / Kentucky South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(2011) / Louisiana North (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Louisiana North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Louisiana South (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Louisiana South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Maine CS2000 Central (Projected)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Maine CS2000 East (Projected)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Maine CS2000 West (Projected)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Maine East (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Maine East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Maine West (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Maine West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Maryland (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Maryland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Massachusetts Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Massachusetts Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Massachusetts Mainland (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

to NAD83(2011) / Massachusetts Mainland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

to NAD83(2011) / Michigan Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Michigan Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Michigan North (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Michigan North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Michigan Oblique Mercator (Projected)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_OBLIQUE_MERCATOR),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

to NAD83(2011) / Michigan South (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Michigan South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Minnesota Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(2011) / Minnesota Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(2011) / Minnesota North (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(2011) / Minnesota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(2011) / Minnesota South (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(2011) / Minnesota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(2011) / Mississippi East (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Mississippi East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Mississippi TM (Projected)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_TM),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to NAD83(2011) / Mississippi West (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Mississippi West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Missouri Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Missouri East (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Missouri West (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Montana (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MONTANA),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Montana (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_MONTANA_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / NCRS Las Vegas (ftUS) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(656166.6667)`
	`)`

to NAD83(2011) / NCRS Las Vegas (m) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_M),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NAD83(2011) / NCRS Las Vegas high (ftUS) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_NCRS_LAS_VEGAS_HIGH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.`
	`↪96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000135),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(2011) / NCRS Las Vegas high (m) (Projected)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_NCRS_LAS_VEGAS_HIGH_M),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.`
	`↪96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000135),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(400000)`
	`)`

to NAD83(2011) / Nebraska (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Nebraska (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Nevada Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

to NAD83(2011) / Nevada Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

to NAD83(2011) / Nevada East (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

to NAD83(2011) / Nevada East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_NEVADA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

to NAD83(2011) / Nevada West (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_NEVADA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to NAD83(2011) / Nevada West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_NEVADA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

to NAD83(2011) / New Hampshire (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New Hampshire (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New Jersey (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New Jersey (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New Mexico Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New Mexico Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New Mexico East (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New Mexico East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New Mexico West (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New Mexico West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New York Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New York Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New York East (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New York East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New York Long Island (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / New York Long Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / New York West (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / New York West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / North Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / North Carolina (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / North Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / North Dakota North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / North Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / North Dakota South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Ohio North (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Ohio North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Ohio South (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Ohio South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Oklahoma North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Oklahoma North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Oklahoma South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Oklahoma South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Oregon Baker zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Baker zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Baker zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Baker zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Bend-Burns zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(393700.7874),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

to NAD83(2011) / Oregon Bend-Burns zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(120000),`
	`  falseNorthing: new Metre(60000)`
	`)`

to NAD83(2011) / Oregon Bend-Klamath Falls zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_BEND_KLAMATH_FALLS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Bend-Klamath Falls zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_BEND_KLAMATH_FALLS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Bend-Redmond-Prineville zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(426509.1864)`
	`)`

to NAD83(2011) / Oregon Bend-Redmond-Prineville zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(130000)`
	`)`

to NAD83(2011) / Oregon Burns-Harper zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Burns-Harper zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Burns-Harper
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Foot(295275.5906),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Burns-Harper zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Burns-Harper zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Burns-Harper
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Metre(90000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Canyon City-Burns zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Canyon City-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyon City-Burns
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_CANYON_CITY_BURNS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00022),`
	`  falseEasting: new Foot(65616.7979),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Canyon City-Burns zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Canyon City-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyon City-Burns
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_CANYON_CITY_BURNS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00022),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Canyonville-Grants Pass zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Canyonville-Grants Pass zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Coast Range North zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Coast Range North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Coast Range North
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_COAST_RANGE_NORTH_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪583333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000045),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(65616.7979)`
	`)`

to NAD83(2011) / Oregon Coast Range North zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Coast Range North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Coast Range North
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.583333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(20000)`
	`)`

to NAD83(2011) / Oregon Coast zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Coast zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_FT),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(-984251.9685),`
	`  falseNorthing: new Foot(-15091863.5171)`
	`)`

to NAD83(2011) / Oregon Coast zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Coast zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_M),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(-300000),`
	`  falseNorthing: new Metre(-4600000)`
	`)`

to NAD83(2011) / Oregon Columbia River East zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_EAST_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000008),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(98425.1969)`
	`)`

to NAD83(2011) / Oregon Columbia River East zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_EAST_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000008),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(30000)`
	`)`

to NAD83(2011) / Oregon Columbia River West zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_WEST_ZONE_FT),`
	`  latitudeOfProjectionCentre: new Degree(45.916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(22965879.2651),`
	`  falseNorthing: new Foot(-9842519.685)`
	`)`

to NAD83(2011) / Oregon Columbia River West zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_WEST_ZONE_M),`
	`  latitudeOfProjectionCentre: new Degree(45.916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(-3000000)`
	`)`

to NAD83(2011) / Oregon Cottage Grove-Canyonville zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Cottage Grove-Canyonville zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000023),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Dayville-Prairie City zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Dayville-Prairie City zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dayville-Prairie City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_DAYVILLE_PRAIRIE_CITY_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.`
	`↪63333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(65616.7979),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Dayville-Prairie City zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Dayville-Prairie City zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dayville-Prairie City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_DAYVILLE_PRAIRIE_CITY_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.`
	`↪63333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Denio-Burns zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Denio-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Denio-Burns
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_DENIO_BURNS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Denio-Burns zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Denio-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Denio-Burns
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_DENIO_BURNS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Dufur-Madras zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_DUFUR_MADRAS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Dufur-Madras zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_DUFUR_MADRAS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Eugene zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Eugene zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_EUGENE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000015),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Eugene zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Eugene zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon GIC Lambert (ft) (Projected)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GIC_LAMBERT_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Grants Pass-Ashland zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_ASHLAND_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Grants Pass-Ashland zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_ASHLAND_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Gresham-Warm Springs zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_SPRINGS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Foot(32808.399),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Gresham-Warm Springs zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_SPRINGS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Metre(10000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Halfway zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Halfway zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Halfway
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000085),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(229658.7927)`
	`)`

to NAD83(2011) / Oregon Halfway zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Halfway zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Halfway
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000085),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(70000)`
	`)`

to NAD83(2011) / Oregon LCC (m) (Projected)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LCC_M),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Oregon La Grande zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon La Grande zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_LA_GRANDE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Medford-Diamond Lake zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Medford-Diamond Lake zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Medford-Diamond Lake
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_MEDFORD_DIAMOND_LAKE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(-122.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(-196850.3937)`
	`)`

to NAD83(2011) / Oregon Medford-Diamond Lake zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Medford-Diamond Lake zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Medford-Diamond Lake
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_MEDFORD_DIAMOND_LAKE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(-122.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(-60000)`
	`)`

to NAD83(2011) / Oregon Mitchell zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Mitchell zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Mitchell
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(47),`
	`  longitudeOfNaturalOrigin: new Degree(-120.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99927),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(951443.5696)`
	`)`

to NAD83(2011) / Oregon Mitchell zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Mitchell zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Mitchell
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(47),`
	`  longitudeOfNaturalOrigin: new Degree(-120.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99927),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(290000)`
	`)`

to NAD83(2011) / Oregon North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Oregon North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Oregon North Central zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon North Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - North Central
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(46.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(459317.5853)`
	`)`

to NAD83(2011) / Oregon North Central zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - North Central
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(140000)`
	`)`

to NAD83(2011) / Oregon Ochoco Summit zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Ochoco Summit zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ochoco Summit
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00006),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(-262467.1916)`
	`)`

to NAD83(2011) / Oregon Ochoco Summit zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Ochoco Summit zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ochoco Summit
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00006),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(-80000)`
	`)`

to NAD83(2011) / Oregon Ontario zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Ontario zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Ontario zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Ontario zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Owyhee zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Owyhee zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Owyhee
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-117.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00018),`
	`  falseEasting: new Foot(229658.7927),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Owyhee zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Owyhee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Owyhee
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-117.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00018),`
	`  falseEasting: new Metre(70000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Pendleton zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Pendleton zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Pendleton-La Grande zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_GRANDE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000175),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Pendleton-La Grande zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PENDLETON_LA_GRANDE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000175),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Pilot Rock-Ukiah zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Pilot Rock-Ukiah zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pilot Rock-Ukiah
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PILOT_ROCK_UKIAH_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(46.`
	`↪166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000025),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(426509.1864)`
	`)`

to NAD83(2011) / Oregon Pilot Rock-Ukiah zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Pilot Rock-Ukiah zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pilot Rock-Ukiah
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PILOT_ROCK_UKIAH_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.`
	`↪166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000025),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(130000)`
	`)`

to NAD83(2011) / Oregon Portland zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Portland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PORTLAND_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000002),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(164041.9948)`
	`)`

to NAD83(2011) / Oregon Portland zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Portland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PORTLAND_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000002),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(50000)`
	`)`

to NAD83(2011) / Oregon Prairie City-Brogan zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Prairie City-Brogan zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Prairie City-Brogan
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PRAIRIE_CITY_BROGAN_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00017),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Prairie City-Brogan zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Prairie City-Brogan zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Prairie City-Brogan
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_PRAIRIE_CITY_BROGAN_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00017),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Riley-Lakeview zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Riley-Lakeview zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Riley-Lakeview
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_RILEY_LAKEVIEW_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-120.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000215),`
	`  falseEasting: new Foot(229658.7927),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Riley-Lakeview zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Riley-Lakeview zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Riley-Lakeview
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_RILEY_LAKEVIEW_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-120.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000215),`
	`  falseEasting: new Metre(70000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Salem zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Salem zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Salem zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Salem zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Santiam Pass zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Foot(0),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Santiam Pass zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Siskiyou Pass zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Siskiyou Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Siskiyou Pass
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_SISKIYOU_PASS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00015),`
	`  falseEasting: new Foot(32808.399),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

to NAD83(2011) / Oregon Siskiyou Pass zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Siskiyou Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Siskiyou Pass
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_SISKIYOU_PASS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00015),`
	`  falseEasting: new Metre(10000),`
	`  falseNorthing: new Metre(60000)`
	`)`

to NAD83(2011) / Oregon South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Oregon South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Ukiah-Fox zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Ukiah-Fox zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ukiah-Fox
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(295275.5906)`
	`)`

to NAD83(2011) / Oregon Ukiah-Fox zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Ukiah-Fox zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ukiah-Fox
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(90000)`
	`)`

to NAD83(2011) / Oregon Wallowa zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Wallowa zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Wallowa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000195),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Wallowa zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Wallowa zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Wallowa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000195),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Oregon Warner Highway zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Warner Highway zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Warner Highway
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000245),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

to NAD83(2011) / Oregon Warner Highway zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Warner Highway zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Warner Highway
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000245),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(60000)`
	`)`

to NAD83(2011) / Oregon Willamette Pass zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Willamette Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Willamette Pass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_WILLAMETTE_PASS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-122),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000223),`
	`  falseEasting: new Foot(65616.7979),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / Oregon Willamette Pass zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Willamette Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Willamette Pass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_OREGON_WILLAMETTE_PASS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-122),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000223),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / PCCS zone 1 (ft) (Projected)

EPSG	PHPCoord

Name: Pima County zone 1 East (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county east
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_1_FT),`
	`  latitudeOfProjectionCentre: new Degree(32.25),`
	`  longitudeOfProjectionCentre: new Degree(-111.4),`
	`  azimuthOfInitialLine: new Degree(45),`
	`  angleFromRectifiedToSkewGrid: new Degree(45),`
	`  scaleFactorOnInitialLine: new Unity(1.00011),`
	`  eastingAtProjectionCentre: new Foot(160000),`
	`  northingAtProjectionCentre: new Foot(800000)`
	`)`

to NAD83(2011) / PCCS zone 2 (ft) (Projected)

EPSG	PHPCoord

Name: Pima County zone 2 Central (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county central
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_2_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31.25),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00009),`
	`  falseEasting: new Foot(1800000),`
	`  falseNorthing: new Foot(1000000)`
	`)`

to NAD83(2011) / PCCS zone 3 (ft) (Projected)

EPSG	PHPCoord

Name: Pima County zone 3 West (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county west
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_3_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31.5),`
	`  longitudeOfNaturalOrigin: new Degree(-113.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000055),`
	`  falseEasting: new Foot(600000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / PCCS zone 4 (ft) (Projected)

EPSG	PHPCoord

Name: Pima County zone 4 Mt. Lemmon (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county Mt. Lemmon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_4_FT),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Foot(30000),`
	`  falseNorthing: new Foot(-620000)`
	`)`

to NAD83(2011) / Pennsylvania North (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Pennsylvania North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Pennsylvania South (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Pennsylvania South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Puerto Rico and Virgin Is. (Projected)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_PUERTO_RICO_AND_VIRGIN_IS),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to NAD83(2011) / RMTCRS Billings (ft) (Projected)

EPSG	PHPCoord

Name: Montana Billings (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Billings
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.783333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-108.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001515),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(164041.9948)`
	`)`

to NAD83(2011) / RMTCRS Billings (m) (Projected)

EPSG	PHPCoord

Name: Montana Billings (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Billings
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.783333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-108.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001515),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(50000)`
	`)`

to NAD83(2011) / RMTCRS Blackfeet (ft) (Projected)

EPSG	PHPCoord

Name: Montana Blackfeet (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Blackfeet reservation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_FT),`
	`  latitudeOfNaturalOrigin: new Degree(48),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / RMTCRS Blackfeet (m) (Projected)

EPSG	PHPCoord

Name: Montana Blackfeet (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Blackfeet reservation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_M),`
	`  latitudeOfNaturalOrigin: new Degree(48),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / RMTCRS Bobcat (ft) (Projected)

EPSG	PHPCoord

Name: Montana Bobcat (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Three Forks
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_FT),`
	`  latitudeOfNaturalOrigin: new Degree(46.25),`
	`  longitudeOfNaturalOrigin: new Degree(-111.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000185),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(328083.9895)`
	`)`

to NAD83(2011) / RMTCRS Bobcat (m) (Projected)

EPSG	PHPCoord

Name: Montana Bobcat (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Three Forks
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.25),`
	`  longitudeOfNaturalOrigin: new Degree(-111.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000185),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(2011) / RMTCRS Crow (ft) (Projected)

EPSG	PHPCoord

Name: Montana Crow (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Crow reservation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.75),`
	`  longitudeOfNaturalOrigin: new Degree(-107.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000148),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / RMTCRS Crow (m) (Projected)

EPSG	PHPCoord

Name: Montana Crow (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Crow reservation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.75),`
	`  longitudeOfNaturalOrigin: new Degree(-107.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000148),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / RMTCRS Fort Belknap (ft) (Projected)

EPSG	PHPCoord

Name: Montana Fort Belknap (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Belknap
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_FT),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(492125.9843)`
	`)`

to NAD83(2011) / RMTCRS Fort Belknap (m) (Projected)

EPSG	PHPCoord

Name: Montana Fort Belknap (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Belknap
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_M),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(150000)`
	`)`

to NAD83(2011) / RMTCRS Fort Peck Assiniboine (ft) (Projected)

EPSG	PHPCoord

Name: Montana Fort Peck Assiniboine (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck higher areas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_RMTCRS_FORT_PECK_ASSINIBOINE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(328083.9895)`
	`)`

to NAD83(2011) / RMTCRS Fort Peck Assiniboine (m) (Projected)

EPSG	PHPCoord

Name: Montana Fort Peck Assiniboine (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck higher areas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_RMTCRS_FORT_PECK_ASSINIBOINE_M),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(2011) / RMTCRS Fort Peck Sioux (ft) (Projected)

EPSG	PHPCoord

Name: Montana Fort Peck Sioux (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck lower areas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_RMTCRS_FORT_PECK_SIOUX_FT),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00009),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(164041.9938)`
	`)`

to NAD83(2011) / RMTCRS Fort Peck Sioux (m) (Projected)

EPSG	PHPCoord

Name: Montana Fort Peck Sioux (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck lower areas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_M),`
	`  latitudeOfNaturalOrigin: new Degree(48.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00009),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(50000)`
	`)`

to NAD83(2011) / RMTCRS Milk River (ft) (Projected)

EPSG	PHPCoord

Name: Montana Milk River (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Milk River
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_FT),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000145),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(656167.979)`
	`)`

to NAD83(2011) / RMTCRS Milk River (m) (Projected)

EPSG	PHPCoord

Name: Montana Milk River (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Milk River
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_M),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000145),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NAD83(2011) / RMTCRS St Mary (ft) (Projected)

EPSG	PHPCoord

Name: Montana Blackfeet St Mary Valley (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - St Mary valley
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_FT),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(2011) / RMTCRS St Mary (m) (Projected)

EPSG	PHPCoord

Name: Montana Blackfeet St Mary Valley (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - St Mary valley
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_M),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / RMTCRS Wind River (ftUS) (Projected)

EPSG	PHPCoord

Name: Wyoming Wind River (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - Wind River reservation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-108.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00024),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / RMTCRS Wind River (m) (Projected)

EPSG	PHPCoord

Name: Wyoming Wind River (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - Wind River reservation
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-108.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00024),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Rhode Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Rhode Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / San Francisco CS13 (Projected)

EPSG	PHPCoord

Name: City and County of San Francisco CS13 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - San Francisco Bay Area
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-122.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000007),`
	`  falseEasting: new Metre(48000),`
	`  falseNorthing: new Metre(24000)`
	`)`

to NAD83(2011) / San Francisco CS13 (ftUS) (Projected)

EPSG	PHPCoord

Name: City and County of San Francisco CS13 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - San Francisco Bay Area
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-122.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000007),`
	`  falseEasting: new USSurveyFoot(157480),`
	`  falseNorthing: new USSurveyFoot(78740)`
	`)`

to NAD83(2011) / South Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / South Carolina (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA_FT),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(2011) / South Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / South Dakota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / South Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / South Dakota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Tennessee (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Tennessee (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Texas Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(2011) / Texas Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83(2011) / Texas Centric Albers Equal Area (Projected)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_ALBERS_EQUAL_AREA),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

to NAD83(2011) / Texas Centric Lambert Conformal (Projected)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_LAMBERT_CONFORMAL),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83(2011) / Texas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(2011) / Texas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(2011) / Texas North Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(2011) / Texas North Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83(2011) / Texas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83(2011) / Texas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

to NAD83(2011) / Texas South Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

to NAD83(2011) / Texas South Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

to NAD83(2011) / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Utah Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(2011) / Utah Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(6561666.6667)`
	`)`

to NAD83(2011) / Utah North (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(2011) / Utah North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83(2011) / Utah South (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(2011) / Utah South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83(2011) / Vermont (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VERMONT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Vermont (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VERMONT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Virginia Lambert (Projected)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(2011) / Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83(2011) / Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(2011) / Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(2011) / WISCRS Adams and Juneau (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new USSurveyFoot(482999.999),`
	`  falseNorthing: new USSurveyFoot(0.012)`
	`)`

to NAD83(2011) / WISCRS Adams and Juneau (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new Metre(147218.6942),`
	`  falseNorthing: new Metre(0.0037)`
	`)`

to NAD83(2011) / WISCRS Ashland (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Ashland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new USSurveyFoot(567000.001),`
	`  falseNorthing: new USSurveyFoot(0.006)`
	`)`

to NAD83(2011) / WISCRS Ashland (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Ashland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new Metre(172821.9461),`
	`  falseNorthing: new Metre(0.0017)`
	`)`

to NAD83(2011) / WISCRS Barron (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Barron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new USSurveyFoot(305609.625),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(2011) / WISCRS Barron (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Barron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new Metre(93150),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

to NAD83(2011) / WISCRS Bayfield (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Bayfield County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new USSurveyFoot(750000.001),`
	`  falseNorthing: new USSurveyFoot(487372.659)`
	`)`

to NAD83(2011) / WISCRS Bayfield (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Bayfield County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new Metre(228600.4575),`
	`  falseNorthing: new Metre(148551.4837)`
	`)`

to NAD83(2011) / WISCRS Brown (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Brown County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(103674.333),`
	`  falseNorthing: new USSurveyFoot(15091.833)`
	`)`

to NAD83(2011) / WISCRS Brown (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Brown County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_M),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(31600),`
	`  falseNorthing: new Metre(4600)`
	`)`

to NAD83(2011) / WISCRS Buffalo (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Buffalo County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new USSurveyFoot(574999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

to NAD83(2011) / WISCRS Buffalo (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Buffalo County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new Metre(175260.3502),`
	`  falseNorthing: new Metre(0.0048)`
	`)`

to NAD83(2011) / WISCRS Burnett (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Burnett County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_BURNETT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000383841),`
	`  falseEasting: new USSurveyFoot(209999.999),`
	`  falseNorthing: new USSurveyFoot(195032.104)`
	`)`

to NAD83(2011) / WISCRS Burnett (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Burnett County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_BURNETT_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000383841),`
	`  falseEasting: new Metre(64008.1276),`
	`  falseNorthing: new Metre(59445.9043)`
	`)`

to NAD83(2011) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new USSurveyFoot(802999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

to NAD83(2011) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new Metre(244754.8893),`
	`  falseNorthing: new Metre(0.0049)`
	`)`

to NAD83(2011) / WISCRS Chippewa (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Chippewa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new USSurveyFoot(197000),`
	`  falseNorthing: new USSurveyFoot(144656.648)`
	`)`

to NAD83(2011) / WISCRS Chippewa (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Chippewa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new Metre(60045.72),`
	`  falseNorthing: new Metre(44091.4346)`
	`)`

to NAD83(2011) / WISCRS Clark (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Clark County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new USSurveyFoot(655999.997),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

to NAD83(2011) / WISCRS Clark (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Clark County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new Metre(199949.1989),`
	`  falseNorthing: new Metre(0.0086)`
	`)`

to NAD83(2011) / WISCRS Columbia (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Columbia County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003498),`
	`  falseEasting: new USSurveyFoot(554999.999),`
	`  falseNorthing: new USSurveyFoot(366041.307)`
	`)`

to NAD83(2011) / WISCRS Columbia (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Columbia County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003498),`
	`  falseEasting: new Metre(169164.3381),`
	`  falseNorthing: new Metre(111569.6134)`
	`)`

to NAD83(2011) / WISCRS Crawford (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Crawford County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_CRAWFORD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000349151),`
	`  falseEasting: new USSurveyFoot(373000),`
	`  falseNorthing: new USSurveyFoot(176190.987)`
	`)`

to NAD83(2011) / WISCRS Crawford (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Crawford County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_CRAWFORD_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000349151),`
	`  falseEasting: new Metre(113690.6274),`
	`  falseNorthing: new Metre(53703.1201)`
	`)`

to NAD83(2011) / WISCRS Dane (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Dane County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new USSurveyFoot(811000),`
	`  falseNorthing: new USSurveyFoot(480943.886)`
	`)`

to NAD83(2011) / WISCRS Dane (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Dane County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new Metre(247193.2944),`
	`  falseNorthing: new Metre(146591.9896)`
	`)`

to NAD83(2011) / WISCRS Dodge and Jefferson (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_JEFFERSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new USSurveyFoot(863999.999),`
	`  falseNorthing: new USSurveyFoot(0.025)`
	`)`

to NAD83(2011) / WISCRS Dodge and Jefferson (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_JEFFERSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new Metre(263347.7263),`
	`  falseNorthing: new Metre(0.0076)`
	`)`

to NAD83(2011) / WISCRS Door (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Door County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new USSurveyFoot(521000),`
	`  falseNorthing: new USSurveyFoot(0.008)`
	`)`

to NAD83(2011) / WISCRS Door (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Door County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new Metre(158801.1176),`
	`  falseNorthing: new Metre(0.0023)`
	`)`

to NAD83(2011) / WISCRS Douglas (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Douglas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new USSurveyFoot(194000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

to NAD83(2011) / WISCRS Douglas (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Douglas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new Metre(59131.3183),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

to NAD83(2011) / WISCRS Dunn (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Dunn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new USSurveyFoot(170000.001),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(2011) / WISCRS Dunn (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Dunn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new Metre(51816.104),`
	`  falseNorthing: new Metre(0.003)`
	`)`

to NAD83(2011) / WISCRS Eau Claire (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(300812.797)`
	`)`

to NAD83(2011) / WISCRS Eau Claire (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(91687.9239)`
	`)`

to NAD83(2011) / WISCRS Florence (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Florence County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new USSurveyFoot(438000.004),`
	`  falseNorthing: new USSurveyFoot(0.021)`
	`)`

to NAD83(2011) / WISCRS Florence (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Florence County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new Metre(133502.6683),`
	`  falseNorthing: new Metre(0.0063)`
	`)`

to NAD83(2011) / WISCRS Forest (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Forest County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new USSurveyFoot(905000.005),`
	`  falseNorthing: new USSurveyFoot(0.052)`
	`)`

to NAD83(2011) / WISCRS Forest (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Forest County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new Metre(275844.5533),`
	`  falseNorthing: new Metre(0.0157)`
	`)`

to NAD83(2011) / WISCRS Grant (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Grant County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new USSurveyFoot(794999.998),`
	`  falseNorthing: new USSurveyFoot(0.033)`
	`)`

to NAD83(2011) / WISCRS Grant (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Grant County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new Metre(242316.4841),`
	`  falseNorthing: new Metre(0.01)`
	`)`

to NAD83(2011) / WISCRS Green Lake and Marquette (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_MARQUETTE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new USSurveyFoot(495000),`
	`  falseNorthing: new USSurveyFoot(259746.132)`
	`)`

to NAD83(2011) / WISCRS Green Lake and Marquette (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_MARQUETTE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new Metre(150876.3018),`
	`  falseNorthing: new Metre(79170.7795)`
	`)`

to NAD83(2011) / WISCRS Green and Lafayette (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_GREEN_AND_LAFAYETTE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000390487),`
	`  falseEasting: new USSurveyFoot(558000),`
	`  falseNorthing: new USSurveyFoot(150361.559)`
	`)`

to NAD83(2011) / WISCRS Green and Lafayette (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_GREEN_AND_LAFAYETTE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000390487),`
	`  falseEasting: new Metre(170078.7403),`
	`  falseNorthing: new Metre(45830.2947)`
	`)`

to NAD83(2011) / WISCRS Iowa (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Iowa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new USSurveyFoot(371000),`
	`  falseNorthing: new USSurveyFoot(0.015)`
	`)`

to NAD83(2011) / WISCRS Iowa (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Iowa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new Metre(113081.0261),`
	`  falseNorthing: new Metre(0.0045)`
	`)`

to NAD83(2011) / WISCRS Iron (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Iron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new USSurveyFoot(725000),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

to NAD83(2011) / WISCRS Iron (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Iron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new Metre(220980.4419),`
	`  falseNorthing: new Metre(0.0085)`
	`)`

to NAD83(2011) / WISCRS Jackson (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Jackson County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new USSurveyFoot(88582.5),`
	`  falseNorthing: new USSurveyFoot(82020.833)`
	`)`

to NAD83(2011) / WISCRS Jackson (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Jackson County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new Metre(27000),`
	`  falseNorthing: new Metre(25000)`
	`)`

to NAD83(2011) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_`
	`↪FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.`
	`↪894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000260649),`
	`  falseEasting: new USSurveyFoot(610000.003),`
	`  falseNorthing: new USSurveyFoot(0.003)`
	`)`

to NAD83(2011) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_`
	`↪M),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.`
	`↪894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000260649),`
	`  falseEasting: new Metre(185928.3728),`
	`  falseNorthing: new Metre(0.0009)`
	`)`

to NAD83(2011) / WISCRS Kewaunee, Manitowoc and Sheboygan (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new USSurveyFoot(262000.006),`
	`  falseNorthing: new USSurveyFoot(0.004)`
	`)`

to NAD83(2011) / WISCRS Kewaunee, Manitowoc and Sheboygan (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new Metre(79857.7614),`
	`  falseNorthing: new Metre(0.0012)`
	`)`

to NAD83(2011) / WISCRS La Crosse (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS La Crosse County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new USSurveyFoot(427999.996),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

to NAD83(2011) / WISCRS La Crosse (m) (Projected)

EPSG	PHPCoord

Name: WISCRS La Crosse County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new Metre(130454.6598),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

to NAD83(2011) / WISCRS Langlade (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Langlade County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_LANGLADE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000627024),`
	`  falseEasting: new USSurveyFoot(651000),`
	`  falseNorthing: new USSurveyFoot(345405.421)`
	`)`

to NAD83(2011) / WISCRS Langlade (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Langlade County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_LANGLADE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000627024),`
	`  falseEasting: new Metre(198425.197),`
	`  falseNorthing: new Metre(105279.7829)`
	`)`

to NAD83(2011) / WISCRS Lincoln (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Lincoln County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new USSurveyFoot(381000),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

to NAD83(2011) / WISCRS Lincoln (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Lincoln County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new Metre(116129.0323),`
	`  falseNorthing: new Metre(0.0058)`
	`)`

to NAD83(2011) / WISCRS Marathon (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Marathon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_MARATHON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000053289),`
	`  falseEasting: new USSurveyFoot(245000),`
	`  falseNorthing: new USSurveyFoot(180607.47)`
	`)`

to NAD83(2011) / WISCRS Marathon (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Marathon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_MARATHON_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000053289),`
	`  falseEasting: new Metre(74676.1493),`
	`  falseNorthing: new Metre(55049.2669)`
	`)`

to NAD83(2011) / WISCRS Marinette (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Marinette County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new USSurveyFoot(783000.007),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(2011) / WISCRS Marinette (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Marinette County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new Metre(238658.8794),`
	`  falseNorthing: new Metre(0.0032)`
	`)`

to NAD83(2011) / WISCRS Menominee (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Menominee County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new USSurveyFoot(346000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(2011) / WISCRS Menominee (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Menominee County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new Metre(105461.0121),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

to NAD83(2011) / WISCRS Monroe (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Monroe County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_MONROE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000434122),`
	`  falseEasting: new USSurveyFoot(671000),`
	`  falseNorthing: new USSurveyFoot(400012.278)`
	`)`

to NAD83(2011) / WISCRS Monroe (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Monroe County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_MONROE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000434122),`
	`  falseEasting: new Metre(204521.209),`
	`  falseNorthing: new Metre(121923.9861)`
	`)`

to NAD83(2011) / WISCRS Oconto (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Oconto County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new USSurveyFoot(600000.006),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

to NAD83(2011) / WISCRS Oconto (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Oconto County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new Metre(182880.3676),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

to NAD83(2011) / WISCRS Oneida (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Oneida County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new USSurveyFoot(230000),`
	`  falseNorthing: new USSurveyFoot(188936.744)`
	`)`

to NAD83(2011) / WISCRS Oneida (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Oneida County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new Metre(70104.1401),`
	`  falseNorthing: new Metre(57588.0346)`
	`)`

to NAD83(2011) / WISCRS Pepin and Pierce (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_PEPIN_AND_PIERCE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000362977),`
	`  falseEasting: new USSurveyFoot(550000),`
	`  falseNorthing: new USSurveyFoot(282260.222)`
	`)`

to NAD83(2011) / WISCRS Pepin and Pierce (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_PEPIN_AND_PIERCE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000362977),`
	`  falseEasting: new Metre(167640.3354),`
	`  falseNorthing: new Metre(86033.0876)`
	`)`

to NAD83(2011) / WISCRS Polk (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Polk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new USSurveyFoot(464999.996),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

to NAD83(2011) / WISCRS Polk (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Polk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new Metre(141732.2823),`
	`  falseNorthing: new Metre(0.0059)`
	`)`

to NAD83(2011) / WISCRS Portage (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Portage County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_PORTAGE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000039936),`
	`  falseEasting: new USSurveyFoot(185000),`
	`  falseNorthing: new USSurveyFoot(164114.46)`
	`)`

to NAD83(2011) / WISCRS Portage (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Portage County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_PORTAGE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000039936),`
	`  falseEasting: new Metre(56388.1128),`
	`  falseNorthing: new Metre(50022.1874)`
	`)`

to NAD83(2011) / WISCRS Price (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Price County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new USSurveyFoot(747999.995),`
	`  falseNorthing: new USSurveyFoot(0.036)`
	`)`

to NAD83(2011) / WISCRS Price (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Price County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new Metre(227990.8546),`
	`  falseNorthing: new Metre(0.0109)`
	`)`

to NAD83(2011) / WISCRS Richland (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Richland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_RICHLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000375653),`
	`  falseEasting: new USSurveyFoot(664000),`
	`  falseNorthing: new USSurveyFoot(440469.675)`
	`)`

to NAD83(2011) / WISCRS Richland (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Richland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_RICHLAND_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000375653),`
	`  falseEasting: new Metre(202387.6048),`
	`  falseNorthing: new Metre(134255.4253)`
	`)`

to NAD83(2011) / WISCRS Rock (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Rock County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new USSurveyFoot(480000),`
	`  falseNorthing: new USSurveyFoot(0.022)`
	`)`

to NAD83(2011) / WISCRS Rock (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Rock County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new Metre(146304.2926),`
	`  falseNorthing: new Metre(0.0068)`
	`)`

to NAD83(2011) / WISCRS Rusk (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Rusk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new USSurveyFoot(822000.001),`
	`  falseNorthing: new USSurveyFoot(0.077)`
	`)`

to NAD83(2011) / WISCRS Rusk (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Rusk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new Metre(250546.1013),`
	`  falseNorthing: new Metre(0.0234)`
	`)`

to NAD83(2011) / WISCRS Sauk (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Sauk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new USSurveyFoot(609000.001),`
	`  falseNorthing: new USSurveyFoot(0.017)`
	`)`

to NAD83(2011) / WISCRS Sauk (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Sauk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new Metre(185623.5716),`
	`  falseNorthing: new Metre(0.0051)`
	`)`

to NAD83(2011) / WISCRS Sawyer (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Sawyer County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new USSurveyFoot(711000.001),`
	`  falseNorthing: new USSurveyFoot(396108.667)`
	`)`

to NAD83(2011) / WISCRS Sawyer (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Sawyer County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new Metre(216713.2336),`
	`  falseNorthing: new Metre(120734.1631)`
	`)`

to NAD83(2011) / WISCRS Shawano (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Shawano County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new USSurveyFoot(861000.001),`
	`  falseNorthing: new USSurveyFoot(0.031)`
	`)`

to NAD83(2011) / WISCRS Shawano (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Shawano County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new Metre(262433.3253),`
	`  falseNorthing: new Metre(0.0096)`
	`)`

to NAD83(2011) / WISCRS St. Croix (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS St. Croix County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new USSurveyFoot(542999.997),`
	`  falseNorthing: new USSurveyFoot(0.034)`
	`)`

to NAD83(2011) / WISCRS St. Croix (m) (Projected)

EPSG	PHPCoord

Name: WISCRS St. Croix County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new Metre(165506.7302),`
	`  falseNorthing: new Metre(0.0103)`
	`)`

to NAD83(2011) / WISCRS Taylor (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Taylor County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_TAYLOR_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000597566),`
	`  falseEasting: new USSurveyFoot(614000),`
	`  falseNorthing: new USSurveyFoot(353499.136)`
	`)`

to NAD83(2011) / WISCRS Taylor (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Taylor County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_TAYLOR_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000597566),`
	`  falseEasting: new Metre(187147.5744),`
	`  falseNorthing: new Metre(107746.7522)`
	`)`

to NAD83(2011) / WISCRS Trempealeau (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new USSurveyFoot(843000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

to NAD83(2011) / WISCRS Trempealeau (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new Metre(256946.9138),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

to NAD83(2011) / WISCRS Vernon (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Vernon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new USSurveyFoot(730000),`
	`  falseNorthing: new USSurveyFoot(155944.768)`
	`)`

to NAD83(2011) / WISCRS Vernon (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Vernon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new Metre(222504.4451),`
	`  falseNorthing: new Metre(47532.0602)`
	`)`

to NAD83(2011) / WISCRS Vilas (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Vilas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(46.077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000730142),`
	`  falseEasting: new USSurveyFoot(441000),`
	`  falseNorthing: new USSurveyFoot(165147.666)`
	`)`

to NAD83(2011) / WISCRS Vilas (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Vilas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000730142),`
	`  falseEasting: new Metre(134417.0689),`
	`  falseNorthing: new Metre(50337.1092)`
	`)`

to NAD83(2011) / WISCRS Walworth (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Walworth County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WALWORTH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000367192),`
	`  falseEasting: new USSurveyFoot(763000),`
	`  falseNorthing: new USSurveyFoot(364461.943)`
	`)`

to NAD83(2011) / WISCRS Walworth (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Walworth County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WALWORTH_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000367192),`
	`  falseEasting: new Metre(232562.8651),`
	`  falseNorthing: new Metre(111088.2224)`
	`)`

to NAD83(2011) / WISCRS Washburn (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Washburn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WASHBURN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.`
	`↪783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000475376),`
	`  falseEasting: new USSurveyFoot(768000),`
	`  falseNorthing: new USSurveyFoot(617973.193)`
	`)`

to NAD83(2011) / WISCRS Washburn (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Washburn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WASHBURN_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.`
	`↪783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000475376),`
	`  falseEasting: new Metre(234086.8682),`
	`  falseNorthing: new Metre(188358.6058)`
	`)`

to NAD83(2011) / WISCRS Washington (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Washington County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new USSurveyFoot(394000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(2011) / WISCRS Washington (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Washington County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new Metre(120091.4415),`
	`  falseNorthing: new Metre(0.003)`
	`)`

to NAD83(2011) / WISCRS Waukesha (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Waukesha County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new USSurveyFoot(685000.001),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

to NAD83(2011) / WISCRS Waukesha (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Waukesha County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new Metre(208788.418),`
	`  falseNorthing: new Metre(0.0034)`
	`)`

to NAD83(2011) / WISCRS Waupaca (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Waupaca County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WAUPACA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000333645),`
	`  falseEasting: new USSurveyFoot(607000.003),`
	`  falseNorthing: new USSurveyFoot(0.023)`
	`)`

to NAD83(2011) / WISCRS Waupaca (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Waupaca County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WAUPACA_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000333645),`
	`  falseEasting: new Metre(185013.9709),`
	`  falseNorthing: new Metre(0.007)`
	`)`

to NAD83(2011) / WISCRS Waushara (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Waushara County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WAUSHARA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000392096),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(147866.367)`
	`)`

to NAD83(2011) / WISCRS Waushara (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Waushara County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪2011_WISCRS_WAUSHARA_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000392096),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(45069.7587)`
	`)`

to NAD83(2011) / WISCRS Wood (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Wood County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new USSurveyFoot(684000.001),`
	`  falseNorthing: new USSurveyFoot(441566.551)`
	`)`

to NAD83(2011) / WISCRS Wood (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Wood County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new Metre(208483.6173),`
	`  falseNorthing: new Metre(134589.754)`
	`)`

to NAD83(2011) / Washington North (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Washington North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Washington South (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Washington South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / West Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / West Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / West Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / West Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Wisconsin Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Wisconsin Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Wisconsin North (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Wisconsin North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Wisconsin South (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(2011) / Wisconsin South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Wisconsin Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

to NAD83(2011) / Wyoming East (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Wyoming East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(2011) / Wyoming East Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(2011) / Wyoming East Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(2011) / Wyoming West (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(2011) / Wyoming West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(2011) / Wyoming West Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(2011) / Wyoming West Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(NSRS2007) to NAD83(2011) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011AlaskaLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011AlaskaHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(NSRS2007) to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011CONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011CONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011CONUSHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(NSRS2007) to NAD83(2011) (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011PRVIHeightProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD83(2011) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

NAD83(CORS96)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96)`

to NAD83(CORS96) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CORS96)`
	`)`

to NAD83(CORS96) / Oregon Baker zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Baker zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Baker zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Baker zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Bend-Burns zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(393700.7874),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

to NAD83(CORS96) / Oregon Bend-Burns zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(120000),`
	`  falseNorthing: new Metre(60000)`
	`)`

to NAD83(CORS96) / Oregon Bend-Klamath Falls zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_BEND_KLAMATH_FALLS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Bend-Klamath Falls zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_BEND_KLAMATH_FALLS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Bend-Redmond-Prineville zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(426509.1864)`
	`)`

to NAD83(CORS96) / Oregon Bend-Redmond-Prineville zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(130000)`
	`)`

to NAD83(CORS96) / Oregon Canyonville-Grants Pass zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Canyonville-Grants Pass zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Coast zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Coast zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_COAST_ZONE_FT),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.`
	`↪05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(-984251.9685),`
	`  falseNorthing: new Foot(-15091863.5171)`
	`)`

to NAD83(CORS96) / Oregon Coast zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Coast zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_COAST_ZONE_M),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.`
	`↪05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(-300000),`
	`  falseNorthing: new Metre(-4600000)`
	`)`

to NAD83(CORS96) / Oregon Columbia River East zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_COLUMBIA_RIVER_EAST_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000008),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(98425.1969)`
	`)`

to NAD83(CORS96) / Oregon Columbia River East zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_COLUMBIA_RIVER_EAST_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000008),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(30000)`
	`)`

to NAD83(CORS96) / Oregon Columbia River West zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_COLUMBIA_RIVER_WEST_ZONE_FT),`
	`  latitudeOfProjectionCentre: new Degree(45.`
	`↪916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(22965879.2651),`
	`  falseNorthing: new Foot(-9842519.685)`
	`)`

to NAD83(CORS96) / Oregon Columbia River West zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_COLUMBIA_RIVER_WEST_ZONE_M),`
	`  latitudeOfProjectionCentre: new Degree(45.`
	`↪916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(-30000000)`
	`)`

to NAD83(CORS96) / Oregon Cottage Grove-Canyonville zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Cottage Grove-Canyonville zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Dufur-Madras zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_DUFUR_MADRAS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Dufur-Madras zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_DUFUR_MADRAS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Eugene zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Eugene zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_EUGENE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000015),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Eugene zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Eugene zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon GIC Lambert (ft) (Projected)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GIC_LAMBERT_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Grants Pass-Ashland zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_ASHLAND_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Grants Pass-Ashland zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_ASHLAND_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Gresham-Warm Springs zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_GRESHAM_WARM_SPRINGS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Foot(32808.399),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Gresham-Warm Springs zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_GRESHAM_WARM_SPRINGS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Metre(10000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon LCC (m) (Projected)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LCC_M),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon La Grande zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon La Grande zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Ontario zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Ontario zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_ONTARIO_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Ontario zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Ontario zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_ONTARIO_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Pendleton zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_PENDLETON_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000045),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Pendleton zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Pendleton-La Grande zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_GRANDE_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000175),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Pendleton-La Grande zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_PENDLETON_LA_GRANDE_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000175),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Portland zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Portland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_PORTLAND_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000002),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(164041.9948)`
	`)`

to NAD83(CORS96) / Oregon Portland zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Portland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_PORTLAND_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000002),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(50000)`
	`)`

to NAD83(CORS96) / Oregon Salem zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Salem zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CORS96_OREGON_SALEM_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Salem zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Salem zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon Santiam Pass zone (ft) (Projected)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_ZONE_FT),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Foot(0),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(CORS96) / Oregon Santiam Pass zone (m) (Projected)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_ZONE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CORS96) / Oregon South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(CORS96) / Puerto Rico and Virgin Is. (Projected)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CORS96_PUERTO_RICO_AND_VIRGIN_IS),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83(CSRS)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS) (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Atlantic offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to NAD83(CSRS) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS)`
	`)`

to NAD83(CSRS) / Alberta 10-TM (Forest) (Projected)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Forest)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_FOREST),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / Alberta 10-TM (Resource) (Projected)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Resource)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_ALBERTA_10_TM_RESOURCE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / Alberta 3TM ref merid 111 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_ALBERTA_3TM_REF_MERID_111_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / Alberta 3TM ref merid 114 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_ALBERTA_3TM_REF_MERID_114_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / Alberta 3TM ref merid 117 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_ALBERTA_3TM_REF_MERID_117_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / Alberta 3TM ref merid 120 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_ALBERTA_3TM_REF_MERID_120_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / BC Albers (Projected)

EPSG	PHPCoord

Name: British Columbia Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_BC_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-126),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(58.`
	`↪5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS) / Canada Atlas Lambert (Projected)

EPSG	PHPCoord

Name: Canada Atlas Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_CANADA_ATLAS_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(-95),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 1-23 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 120°W to 60°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_1_23),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(23500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 2-14 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 135°W to 95°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_14),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-115),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 2-16 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 95°W to 55°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_16),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-75),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 3-25 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 144°W to 114°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_25),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-129),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(25500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 3-27 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 114°W to 84°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_27),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(27500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 3-29 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 84°W to 54°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_29),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-69),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 4-14 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 141°W to 116°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_14),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(-129),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 4-16 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 116°W to 91°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_16),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-104),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 4-18 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 91°W to 67°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_18),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(18500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 5-33 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 141°W to 121°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_33),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-131),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(33500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 5-35 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 121°W to 101°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_35),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(35500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 5-37 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 101°W to 81°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_37),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-91),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(37500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 5-39 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 81°W to 61°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_39),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-71),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(39500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 6-18 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 141°W to 122°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_18),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-132),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(18500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 6-20 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 122°W to 103°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_20),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-113),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 6-22 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 103°W to 84°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_22),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(CSRS) / EPSG Arctic zone 6-24 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 84°W to 65°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_24),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-75),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(24500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(CSRS) / MTM zone 1 (Projected)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 11 (Projected)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 12 (Projected)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 13 (Projected)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 14 (Projected)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 15 (Projected)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_MTM_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 16 (Projected)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_MTM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 17 (Projected)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_MTM_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 2 (Projected)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 3 (Projected)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 4 (Projected)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 5 (Projected)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 6 (Projected)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 7 (Projected)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTM zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / MTQ Lambert (Projected)

EPSG	PHPCoord

Name: Ministry of Transport of Quebec Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTQ_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-70),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS) / NWT Lambert (Projected)

EPSG	PHPCoord

Name: Northwest Territories Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NWT
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_NWT_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-112),`
	`  latitudeOf1stStandardParallel: new Degree(62),`
	`  latitudeOf2ndStandardParallel: new Degree(70),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS) / New Brunswick Stereographic (Projected)

EPSG	PHPCoord

Name: New Brunswick Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_NEW_BRUNSWICK_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(7500000)`
	`)`

to NAD83(CSRS) / Ontario MNR Lambert (Projected)

EPSG	PHPCoord

Name: Ontario MNR Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ONTARIO_MNR_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-85),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(53.5),`
	`  eastingAtFalseOrigin: new Metre(930000),`
	`  northingAtFalseOrigin: new Metre(6430000)`
	`)`

to NAD83(CSRS) / Prince Edward Isl. Stereographic (NAD83) (Projected)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_PRINCE_EDWARD_ISL_STEREOGRAPHIC_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NAD83(CSRS) / Statistics Canada Lambert (Projected)

EPSG	PHPCoord

Name: Statistics Canada Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_STATISTICS_CANADA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(63.390675),`
	`  longitudeOfFalseOrigin: new Degree(-91.866666666667),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(6200000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(CSRS) / Teranet Ontario Lambert (Projected)

EPSG	PHPCoord

Name: Teranet Ontario Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_TERANET_ONTARIO_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(54.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS) / Yukon Albers (Projected)

EPSG	PHPCoord

Name: Yukon Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Yukon
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_YUKON_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(59),`
	`  longitudeOfFalseOrigin: new Degree(-132.5),`
	`  latitudeOf1stStandardParallel: new Degree(61.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(68),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD83(CSRS) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Name: NAD83(CSRS) to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-0.991),`
	`  yAxisTranslation: new Metre(1.9072),`
	`  zAxisTranslation: new Metre(0.5129),`
	`  xAxisRotation: new Radian(-1.25033E-7),`
	`  yAxisRotation: new Radian(-4.6785E-8),`
	`  zAxisRotation: new Radian(-5.6529E-8),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

NAD83(CSRS)v2

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2)`

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to NAD83(CSRS)v2 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  offsetsFile: NTv2ATS777NAD83CSRS1997PrinceEdwardProvider->provideGrid()`
	`)`

Name: ATS77 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  offsetsFile: NTv2ATS77NAD83CSRS1997NewBrunswickProvider->provideGrid()`
	`)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83(CSRS)v2 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997NewBrunswickProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v2 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  offsetsFile:␣`
	`↪NTv2NAD27NAD83CSRS1997SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: NAD27(CGQ77) to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27_CGQ77),`
	`  offsetsFile:␣`
	`↪NTv2NAD27CGQ77NAD83CSRS1997QuebecProvider->`
	`↪provideGrid()`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD831986NAD83CSRS1997QuebecProvider->provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v2 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD831986NAD83CSRS1997SaskatchewanProvider->provideGrid()`
	`)`

to NAD83(CSRS)v2 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V2)`
	`)`

to NAD83(CSRS)v2 / Alberta 3TM ref merid 111 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_111_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / Alberta 3TM ref merid 114 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_ALBERTA_3TM_REF_MERID_114_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / Alberta 3TM ref merid 117 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_ALBERTA_3TM_REF_MERID_117_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / Alberta 3TM ref merid 120 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_ALBERTA_3TM_REF_MERID_120_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / NB Stereographic (Projected)

EPSG	PHPCoord

Name: New Brunswick Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_NB_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(7500000)`
	`)`

to NAD83(CSRS)v2 / PEI Stereographic (Projected)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_PEI_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NAD83(CSRS)v2 / Quebec Albers (Projected)

EPSG	PHPCoord

Name: Quebec Albers Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / Quebec Lambert (Projected)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 3 (Projected)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 4 (Projected)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 5 (Projected)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 6 (Projected)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 7 (Projected)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / SCoPQ zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V2_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v2 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83(CSRS)v3 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario ex. Toronto
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  offsetsFile: NTv2NAD27NAD83CSRS1997OntarioProvider->provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v3 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - Toronto
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  offsetsFile: NTv2NAD27NAD83CSRS1997OTorontoProvider->provideGrid()`
	`)`

Name: NAD27 to NAD83(CSRS)v3 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - CRD
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  offsetsFile: NTv2NAD27NAD83CSRS1997BritishColumbiaCRDProvider->provideGrid()`
	`)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: NAD27(76) to NAD83(CSRS)v3 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27_76),`
	`  offsetsFile:␣`
	`↪NTv2NAD27MAY76NAD83CSRS1997OntarioProvider->`
	`↪provideGrid()`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v3 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997OntarioProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v3 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - CRD
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997BritishColumbiaCRDProvider-`
	`↪>provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v3 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - north Vancouver Is
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997BritishColumbiaVancouverIslandProvider`
	`↪>provideGrid()`
	`)`

to NAD83(CSRS)v3 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V3)`
	`)`

to NAD83(CSRS)v3 / MTM NS 1997 zone 4 (Projected)

EPSG	PHPCoord

Name: MTM Nova Scotia 1997 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - east of 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM NS 1997 zone 5 (Projected)

EPSG	PHPCoord

Name: MTM Nova Scotia 1997 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - west of 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 11 (Projected)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 12 (Projected)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 13 (Projected)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 14 (Projected)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 15 (Projected)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 16 (Projected)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 17 (Projected)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / MTM zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_MTM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V3_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v3 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to NAD83(CSRS)v4 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - mainland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  offsetsFile: NTv2NAD27NAD83CSRS2002BritishColumbiaCRDProvider->provideGrid()`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v4 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia - mainland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD831986NAD83CSRS2002BritishColumbiaCRDProvider->provideGrid()`
	`)`

Name: NAD83 to NAD83(CSRS)v4 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD831986NAD83CSRS2002AlbertaProvider->provideGrid()`
	`)`

to NAD83(CSRS)v4 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V4)`
	`)`

to NAD83(CSRS)v4 / Alberta 3TM ref merid 111 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_111_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / Alberta 3TM ref merid 114 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_ALBERTA_3TM_REF_MERID_114_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / Alberta 3TM ref merid 117 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_ALBERTA_3TM_REF_MERID_117_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / Alberta 3TM ref merid 120 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_ALBERTA_3TM_REF_MERID_120_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V4_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v4 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v5

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V5)`

to NAD83(CSRS)v5 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V5)`
	`)`

NAD83(CSRS)v6

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6)`

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to NAD83(CSRS)v6 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  offsetsFile: NTv2ATS77NAD83CSRS2010NovaScotiaProvider->provideGrid()`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v6 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD831986NAD83CSRS2010NewfoundlandProvider->provideGrid()`
	`)`

to NAD83(CSRS)v6 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V6)`
	`)`

to NAD83(CSRS)v6 / MTM NS 2010 zone 4 (Projected)

EPSG	PHPCoord

Name: MTM Nova Scotia 2010 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - east of 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM NS 2010 zone 5 (Projected)

EPSG	PHPCoord

Name: MTM Nova Scotia 2010 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - west of 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_MTM_NS_2010_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 1 (Projected)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_MTM_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 10 (Projected)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_MTM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 11 (Projected)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 12 (Projected)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 13 (Projected)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 14 (Projected)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 15 (Projected)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 16 (Projected)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 17 (Projected)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 2 (Projected)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 3 (Projected)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 4 (Projected)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 5 (Projected)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 6 (Projected)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 8 (Projected)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / MTM zone 9 (Projected)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / PEI Stereographic (Projected)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_PEI_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NAD83(CSRS)v6 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V6_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v6 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(CSRS)v7 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  offsetsFile: NTv2NAD831986NAD83CSRS2010AlbertaProvider->provideGrid()`
	`)`

to NAD83(CSRS)v7 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V7)`
	`)`

to NAD83(CSRS)v7 / Alberta 3TM ref merid 111 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_ALBERTA_3TM_REF_MERID_111_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / Alberta 3TM ref merid 114 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_ALBERTA_3TM_REF_MERID_114_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / Alberta 3TM ref merid 117 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_ALBERTA_3TM_REF_MERID_117_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / Alberta 3TM ref merid 120 W (Projected)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_ALBERTA_3TM_REF_MERID_120_W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / PEI Stereographic (Projected)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_PEI_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NAD83(CSRS)v7 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪CSRS_V7_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v7 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8)`

to NAD83(CSRS)v8 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V8)`
	`)`

to NAD83(CSRS)v8 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(CSRS)v8 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS96)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS96)`

to NAD83(CSRS96) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS96)`
	`)`

NAD83(FBN)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_FBN)`

to NAD83(FBN) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_FBN)`
	`)`

to NAD83(HARN Corrected) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN Corrected) to NAD83(FBN) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN_CORRECTED),`
	`  latitudeDifferenceFile: NADCON5NAD831997NAD832002PRVILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD831997NAD832002PRVILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD831997NAD832002PRVIHeightProvider->provideGrid()`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(FBN) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD83HARNNAD83FBNCONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD83HARNNAD83FBNCONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD83HARNNAD83FBNCONUSHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(HARN) to NAD83(FBN) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups and Rose Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002ASLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002ASLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002ASHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(HARN) to NAD83(FBN) (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Guam and NMI - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002GuamCnMILatitudeProvider-`
	`↪>provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002GuamCnMILongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002GuamCnMIHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(MA11) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(FBN) to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Guam and NMI - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11),`
	`  latitudeDifferenceFile: NADCON5NAD832002NAD83MA11GuamCnMILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD832002NAD83MA11GuamCnMILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD832002NAD83MA11GuamCnMIHeightProvider->provideGrid()`
	`)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(FBN) to NAD83(NSRS2007) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD83FBNNAD832007CONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD83FBNNAD832007CONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD83FBNNAD832007CONUSHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(FBN) to NAD83(NSRS2007) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832002NAD832007PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832002NAD832007PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832002NAD832007PRVIHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(FBN) to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups and Rose Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeDifferenceFile: NADCON5NAD832002NAD83PA11ASLatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD832002NAD83PA11ASLongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD832002NAD83PA11ASHeightProvider->provideGrid()`
	`)`

NAD83(HARN Corrected)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN_CORRECTED)`

to NAD83(FBN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN Corrected) to NAD83(FBN) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_FBN),`
	`  latitudeDifferenceFile: NADCON5NAD831997NAD832002PRVILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD831997NAD832002PRVILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD831997NAD832002PRVIHeightProvider->provideGrid()`
	`)`

to NAD83(HARN Corrected) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_HARN_CORRECTED)`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(HARN Corrected) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeDifferenceFile: NADCON5NAD831993NAD831997PRVILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD831993NAD831997PRVILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD831993NAD831997PRVIHeightProvider->provideGrid()`
	`)`

NAD83(HARN)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN)`

to American Samoa 1962 (Geographic2D)

EPSG	PHPCoord

Name: American Samoa 1962 to NAD83(HARN) (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMERICAN_SAMOA_1962),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5AS62NAD831993ASLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5AS62NAD831993ASLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to Guam 1963 (Geographic2D)

EPSG	PHPCoord

Name: Guam 1963 to NAD83(HARN) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Guam and NMI - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GUAM_1963),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5GU63NAD831993GuamCnMILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5GU63NAD831993GuamCnMILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to NAD83(HARN) (48)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska including EEZ
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831992AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831992AlaskaLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD83 to NAD83(HARN) (47)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD83HARNCONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD83HARNCONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD83 to NAD83(HARN) (49)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993HawaiiLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993HawaiiLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

Name: NAD83 to NAD83(HARN) (50)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831986NAD831993PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to NAD83(FBN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(FBN) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD83HARNNAD83FBNCONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD83HARNNAD83FBNCONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD83HARNNAD83FBNCONUSHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(HARN) to NAD83(FBN) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups and Rose Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002ASLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002ASLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002ASHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(HARN) to NAD83(FBN) (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Guam and NMI - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002GuamCnMILatitudeProvider-`
	`↪>provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002GuamCnMILongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831993NAD832002GuamCnMIHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(HARN Corrected) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(HARN Corrected) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN_CORRECTED),`
	`  latitudeDifferenceFile: NADCON5NAD831993NAD831997PRVILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD831993NAD831997PRVILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD831993NAD831997PRVIHeightProvider->provideGrid()`
	`)`

to NAD83(HARN) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_HARN)`
	`)`

to NAD83(HARN) / Alabama East (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Alabama West (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Arizona Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Arizona Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(HARN) / Arizona East (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Arizona East (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(HARN) / Arizona West (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Arizona West (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(HARN) / Arkansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Arkansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Arkansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83(HARN) / Arkansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(HARN) / California Albers (Projected)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-40000000)`
	`)`

to NAD83(HARN) / California zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / California zone 1 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / California zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / California zone 2 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / California zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / California zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / California zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / California zone 4 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / California zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / California zone 5 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / California zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / California zone 6 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / Colorado Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(HARN) / Colorado Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(HARN) / Colorado North (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(HARN) / Colorado North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(HARN) / Colorado South (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(HARN) / Colorado South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(HARN) / Connecticut (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

to NAD83(HARN) / Connecticut (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

to NAD83(HARN) / Conus Albers (Projected)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONUS_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Delaware (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Delaware (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Florida East (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Florida East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Florida GDL Albers (Projected)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_GDL_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Florida North (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Florida North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Florida West (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Florida West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Georgia East (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Georgia East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Georgia West (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Georgia West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Guam Map Grid (Projected)

EPSG	PHPCoord

Name: Guam Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_GUAM_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(13.5),`
	`  longitudeOfNaturalOrigin: new Degree(144.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NAD83(HARN) / Hawaii zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Hawaii zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Hawaii zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Hawaii zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Hawaii zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Hawaii zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Idaho Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Idaho Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Idaho East (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Idaho East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Idaho West (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Idaho West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Illinois East (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Illinois East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Illinois West (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Illinois West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Indiana East (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83(HARN) / Indiana East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83(HARN) / Indiana West (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83(HARN) / Indiana West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83(HARN) / Iowa North (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(HARN) / Iowa North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83(HARN) / Iowa South (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Iowa South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Kansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Kansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Kansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83(HARN) / Kansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(HARN) / Kentucky North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Kentucky North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Kentucky Single Zone (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(HARN) / Kentucky Single Zone (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(HARN) / Kentucky South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(HARN) / Kentucky South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(HARN) / Louisiana North (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Louisiana North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Louisiana South (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Louisiana South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Maine CS2000 Central (Projected)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Maine CS2000 East (Projected)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Maine CS2000 West (Projected)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Maine East (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Maine East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Maine West (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Maine West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Maryland (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Maryland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Massachusetts Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Massachusetts Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Massachusetts Mainland (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

to NAD83(HARN) / Massachusetts Mainland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

to NAD83(HARN) / Michigan Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Michigan Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Michigan North (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Michigan North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Michigan Oblique Mercator (Projected)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_OBLIQUE_MERCATOR),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

to NAD83(HARN) / Michigan South (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Michigan South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Minnesota Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(HARN) / Minnesota Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(HARN) / Minnesota North (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(HARN) / Minnesota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(HARN) / Minnesota South (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(HARN) / Minnesota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(HARN) / Mississippi East (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Mississippi East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Mississippi TM (Projected)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_TM),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to NAD83(HARN) / Mississippi West (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Mississippi West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Missouri Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Missouri East (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Missouri West (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Montana (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Montana (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Nebraska (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Nebraska (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Nevada Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

to NAD83(HARN) / Nevada Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

to NAD83(HARN) / Nevada East (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

to NAD83(HARN) / Nevada East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

to NAD83(HARN) / Nevada West (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to NAD83(HARN) / Nevada West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

to NAD83(HARN) / New Hampshire (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New Hampshire (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New Jersey (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New Jersey (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New Mexico Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New Mexico Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New Mexico East (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New Mexico East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New Mexico West (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New Mexico West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New York Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New York Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New York East (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New York East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New York Long Island (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / New York Long Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / New York West (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / New York West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / North Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / North Carolina (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / North Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / North Dakota North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / North Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / North Dakota South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Ohio North (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Ohio North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Ohio South (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Ohio South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Oklahoma North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Oklahoma North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Oklahoma South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Oklahoma South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Oregon GIC Lambert (ft) (Projected)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_GIC_LAMBERT_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Oregon LCC (m) (Projected)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_LCC_M),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Oregon North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Oregon North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Oregon South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Oregon South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / Pennsylvania North (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Pennsylvania North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Pennsylvania South (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Pennsylvania South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Puerto Rico and Virgin Is. (Projected)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_PUERTO_RICO_AND_VIRGIN_IS),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to NAD83(HARN) / Rhode Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Rhode Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / South Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / South Carolina (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA_FT),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(HARN) / South Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / South Dakota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / South Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / South Dakota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Tennessee (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Tennessee (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Texas Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(HARN) / Texas Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83(HARN) / Texas Centric Albers Equal Area (Projected)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_ALBERS_EQUAL_AREA),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

to NAD83(HARN) / Texas Centric Lambert Conformal (Projected)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_LAMBERT_CONFORMAL),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83(HARN) / Texas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(HARN) / Texas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(HARN) / Texas North Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(HARN) / Texas North Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83(HARN) / Texas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83(HARN) / Texas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

to NAD83(HARN) / Texas South Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

to NAD83(HARN) / Texas South Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

to NAD83(HARN) / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 2S (Projected)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_2S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NAD83(HARN) / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Utah Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(HARN) / Utah Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(6561679.79)`
	`)`

to NAD83(HARN) / Utah Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.6667)`
	`)`

to NAD83(HARN) / Utah North (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(HARN) / Utah North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(3280839.895)`
	`)`

to NAD83(HARN) / Utah North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83(HARN) / Utah South (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(HARN) / Utah South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(9842519.685)`
	`)`

to NAD83(HARN) / Utah South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83(HARN) / Vermont (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Vermont (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Virginia Lambert (Projected)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(HARN) / Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83(HARN) / Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(HARN) / Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(HARN) / WISCRS Adams and Juneau (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new USSurveyFoot(482999.999),`
	`  falseNorthing: new USSurveyFoot(0.012)`
	`)`

to NAD83(HARN) / WISCRS Adams and Juneau (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new Metre(147218.6942),`
	`  falseNorthing: new Metre(0.0037)`
	`)`

to NAD83(HARN) / WISCRS Ashland (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Ashland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new USSurveyFoot(567000.001),`
	`  falseNorthing: new USSurveyFoot(0.006)`
	`)`

to NAD83(HARN) / WISCRS Ashland (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Ashland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new Metre(172821.9461),`
	`  falseNorthing: new Metre(0.0017)`
	`)`

to NAD83(HARN) / WISCRS Barron (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Barron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new USSurveyFoot(305609.625),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(HARN) / WISCRS Barron (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Barron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new Metre(93150),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

to NAD83(HARN) / WISCRS Bayfield (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Bayfield County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new USSurveyFoot(750000.001),`
	`  falseNorthing: new USSurveyFoot(487372.659)`
	`)`

to NAD83(HARN) / WISCRS Bayfield (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Bayfield County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new Metre(228600.4575),`
	`  falseNorthing: new Metre(148551.4837)`
	`)`

to NAD83(HARN) / WISCRS Brown (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Brown County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(103674.333),`
	`  falseNorthing: new USSurveyFoot(15091.833)`
	`)`

to NAD83(HARN) / WISCRS Brown (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Brown County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_M),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(31600),`
	`  falseNorthing: new Metre(4600)`
	`)`

to NAD83(HARN) / WISCRS Buffalo (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Buffalo County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new USSurveyFoot(574999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

to NAD83(HARN) / WISCRS Buffalo (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Buffalo County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new Metre(175260.3502),`
	`  falseNorthing: new Metre(0.0048)`
	`)`

to NAD83(HARN) / WISCRS Burnett (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Burnett County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_BURNETT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000383841),`
	`  falseEasting: new USSurveyFoot(209999.999),`
	`  falseNorthing: new USSurveyFoot(195032.104)`
	`)`

to NAD83(HARN) / WISCRS Burnett (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Burnett County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_BURNETT_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000383841),`
	`  falseEasting: new Metre(64008.1276),`
	`  falseNorthing: new Metre(59445.9043)`
	`)`

to NAD83(HARN) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new USSurveyFoot(802999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

to NAD83(HARN) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new Metre(244754.8893),`
	`  falseNorthing: new Metre(0.0049)`
	`)`

to NAD83(HARN) / WISCRS Chippewa (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Chippewa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new USSurveyFoot(197000),`
	`  falseNorthing: new USSurveyFoot(144656.648)`
	`)`

to NAD83(HARN) / WISCRS Chippewa (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Chippewa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new Metre(60045.72),`
	`  falseNorthing: new Metre(44091.4346)`
	`)`

to NAD83(HARN) / WISCRS Clark (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Clark County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new USSurveyFoot(655999.997),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

to NAD83(HARN) / WISCRS Clark (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Clark County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new Metre(199949.1989),`
	`  falseNorthing: new Metre(0.0086)`
	`)`

to NAD83(HARN) / WISCRS Columbia (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Columbia County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_COLUMBIA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪00003498),`
	`  falseEasting: new USSurveyFoot(554999.999),`
	`  falseNorthing: new USSurveyFoot(366041.307)`
	`)`

to NAD83(HARN) / WISCRS Columbia (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Columbia County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_COLUMBIA_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪00003498),`
	`  falseEasting: new Metre(169164.3381),`
	`  falseNorthing: new Metre(111569.6134)`
	`)`

to NAD83(HARN) / WISCRS Crawford (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Crawford County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349151),`
	`  falseEasting: new USSurveyFoot(373000),`
	`  falseNorthing: new USSurveyFoot(176190.987)`
	`)`

to NAD83(HARN) / WISCRS Crawford (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Crawford County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349151),`
	`  falseEasting: new Metre(113690.6274),`
	`  falseNorthing: new Metre(53703.1201)`
	`)`

to NAD83(HARN) / WISCRS Dane (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Dane County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new USSurveyFoot(811000),`
	`  falseNorthing: new USSurveyFoot(480943.886)`
	`)`

to NAD83(HARN) / WISCRS Dane (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Dane County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new Metre(247193.2944),`
	`  falseNorthing: new Metre(146591.9896)`
	`)`

to NAD83(HARN) / WISCRS Dodge and Jefferson (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_JEFFERSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new USSurveyFoot(863999.999),`
	`  falseNorthing: new USSurveyFoot(0.025)`
	`)`

to NAD83(HARN) / WISCRS Dodge and Jefferson (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_JEFFERSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new Metre(263347.7263),`
	`  falseNorthing: new Metre(0.0076)`
	`)`

to NAD83(HARN) / WISCRS Door (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Door County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new USSurveyFoot(521000),`
	`  falseNorthing: new USSurveyFoot(0.008)`
	`)`

to NAD83(HARN) / WISCRS Door (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Door County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new Metre(158801.1176),`
	`  falseNorthing: new Metre(0.0023)`
	`)`

to NAD83(HARN) / WISCRS Douglas (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Douglas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new USSurveyFoot(194000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

to NAD83(HARN) / WISCRS Douglas (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Douglas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new Metre(59131.3183),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

to NAD83(HARN) / WISCRS Dunn (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Dunn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new USSurveyFoot(170000.001),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(HARN) / WISCRS Dunn (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Dunn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new Metre(51816.104),`
	`  falseNorthing: new Metre(0.003)`
	`)`

to NAD83(HARN) / WISCRS Eau Claire (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(300812.797)`
	`)`

to NAD83(HARN) / WISCRS Eau Claire (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(91687.9239)`
	`)`

to NAD83(HARN) / WISCRS Florence (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Florence County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new USSurveyFoot(438000.004),`
	`  falseNorthing: new USSurveyFoot(0.021)`
	`)`

to NAD83(HARN) / WISCRS Florence (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Florence County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new Metre(133502.6683),`
	`  falseNorthing: new Metre(0.0063)`
	`)`

to NAD83(HARN) / WISCRS Forest (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Forest County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new USSurveyFoot(905000.005),`
	`  falseNorthing: new USSurveyFoot(0.052)`
	`)`

to NAD83(HARN) / WISCRS Forest (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Forest County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new Metre(275844.5533),`
	`  falseNorthing: new Metre(0.0157)`
	`)`

to NAD83(HARN) / WISCRS Grant (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Grant County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new USSurveyFoot(794999.998),`
	`  falseNorthing: new USSurveyFoot(0.033)`
	`)`

to NAD83(HARN) / WISCRS Grant (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Grant County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new Metre(242316.4841),`
	`  falseNorthing: new Metre(0.01)`
	`)`

to NAD83(HARN) / WISCRS Green Lake and Marquette (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_MARQUETTE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new USSurveyFoot(495000),`
	`  falseNorthing: new USSurveyFoot(259746.132)`
	`)`

to NAD83(HARN) / WISCRS Green Lake and Marquette (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_MARQUETTE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new Metre(150876.3018),`
	`  falseNorthing: new Metre(79170.7795)`
	`)`

to NAD83(HARN) / WISCRS Green and Lafayette (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_GREEN_AND_LAFAYETTE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000390487),`
	`  falseEasting: new USSurveyFoot(558000),`
	`  falseNorthing: new USSurveyFoot(150361.559)`
	`)`

to NAD83(HARN) / WISCRS Green and Lafayette (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_GREEN_AND_LAFAYETTE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000390487),`
	`  falseEasting: new Metre(170078.7403),`
	`  falseNorthing: new Metre(45830.2947)`
	`)`

to NAD83(HARN) / WISCRS Iowa (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Iowa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new USSurveyFoot(371000),`
	`  falseNorthing: new USSurveyFoot(0.015)`
	`)`

to NAD83(HARN) / WISCRS Iowa (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Iowa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new Metre(113081.0261),`
	`  falseNorthing: new Metre(0.0045)`
	`)`

to NAD83(HARN) / WISCRS Iron (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Iron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new USSurveyFoot(725000),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

to NAD83(HARN) / WISCRS Iron (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Iron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new Metre(220980.4419),`
	`  falseNorthing: new Metre(0.0085)`
	`)`

to NAD83(HARN) / WISCRS Jackson (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Jackson County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new USSurveyFoot(88582.5),`
	`  falseNorthing: new USSurveyFoot(82020.833)`
	`)`

to NAD83(HARN) / WISCRS Jackson (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Jackson County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new Metre(27000),`
	`  falseNorthing: new Metre(25000)`
	`)`

to NAD83(HARN) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000260649),`
	`  falseEasting: new USSurveyFoot(610000.003),`
	`  falseNorthing: new USSurveyFoot(0.003)`
	`)`

to NAD83(HARN) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000260649),`
	`  falseEasting: new Metre(185928.3728),`
	`  falseNorthing: new Metre(0.0009)`
	`)`

to NAD83(HARN) / WISCRS Kewaunee, Manitowoc and Sheboygan (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new USSurveyFoot(262000.006),`
	`  falseNorthing: new USSurveyFoot(0.004)`
	`)`

to NAD83(HARN) / WISCRS Kewaunee, Manitowoc and Sheboygan (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new Metre(79857.7614),`
	`  falseNorthing: new Metre(0.0012)`
	`)`

to NAD83(HARN) / WISCRS La Crosse (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS La Crosse County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new USSurveyFoot(427999.996),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

to NAD83(HARN) / WISCRS La Crosse (m) (Projected)

EPSG	PHPCoord

Name: WISCRS La Crosse County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new Metre(130454.6598),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

to NAD83(HARN) / WISCRS Langlade (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Langlade County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_LANGLADE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000627024),`
	`  falseEasting: new USSurveyFoot(651000),`
	`  falseNorthing: new USSurveyFoot(345405.421)`
	`)`

to NAD83(HARN) / WISCRS Langlade (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Langlade County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_LANGLADE_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000627024),`
	`  falseEasting: new Metre(198425.197),`
	`  falseNorthing: new Metre(105279.7829)`
	`)`

to NAD83(HARN) / WISCRS Lincoln (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Lincoln County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new USSurveyFoot(381000),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

to NAD83(HARN) / WISCRS Lincoln (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Lincoln County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new Metre(116129.0323),`
	`  falseNorthing: new Metre(0.0058)`
	`)`

to NAD83(HARN) / WISCRS Marathon (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Marathon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_MARATHON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000053289),`
	`  falseEasting: new USSurveyFoot(245000),`
	`  falseNorthing: new USSurveyFoot(180607.47)`
	`)`

to NAD83(HARN) / WISCRS Marathon (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Marathon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_MARATHON_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000053289),`
	`  falseEasting: new Metre(74676.1493),`
	`  falseNorthing: new Metre(55049.2669)`
	`)`

to NAD83(HARN) / WISCRS Marinette (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Marinette County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new USSurveyFoot(783000.007),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(HARN) / WISCRS Marinette (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Marinette County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new Metre(238658.8794),`
	`  falseNorthing: new Metre(0.0032)`
	`)`

to NAD83(HARN) / WISCRS Menominee (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Menominee County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new USSurveyFoot(346000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(HARN) / WISCRS Menominee (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Menominee County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new Metre(105461.0121),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

to NAD83(HARN) / WISCRS Monroe (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Monroe County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_MONROE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000434122),`
	`  falseEasting: new USSurveyFoot(671000),`
	`  falseNorthing: new USSurveyFoot(400012.278)`
	`)`

to NAD83(HARN) / WISCRS Monroe (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Monroe County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_MONROE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000434122),`
	`  falseEasting: new Metre(204521.209),`
	`  falseNorthing: new Metre(121923.9861)`
	`)`

to NAD83(HARN) / WISCRS Oconto (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Oconto County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new USSurveyFoot(600000.006),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

to NAD83(HARN) / WISCRS Oconto (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Oconto County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new Metre(182880.3676),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

to NAD83(HARN) / WISCRS Oneida (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Oneida County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new USSurveyFoot(230000),`
	`  falseNorthing: new USSurveyFoot(188936.744)`
	`)`

to NAD83(HARN) / WISCRS Oneida (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Oneida County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new Metre(70104.1401),`
	`  falseNorthing: new Metre(57588.0346)`
	`)`

to NAD83(HARN) / WISCRS Pepin and Pierce (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_PEPIN_AND_PIERCE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000362977),`
	`  falseEasting: new USSurveyFoot(550000),`
	`  falseNorthing: new USSurveyFoot(282260.222)`
	`)`

to NAD83(HARN) / WISCRS Pepin and Pierce (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_PEPIN_AND_PIERCE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.`
	`↪227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000362977),`
	`  falseEasting: new Metre(167640.3354),`
	`  falseNorthing: new Metre(86033.0876)`
	`)`

to NAD83(HARN) / WISCRS Polk (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Polk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new USSurveyFoot(464999.996),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

to NAD83(HARN) / WISCRS Polk (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Polk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new Metre(141732.2823),`
	`  falseNorthing: new Metre(0.0059)`
	`)`

to NAD83(HARN) / WISCRS Portage (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Portage County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039936),`
	`  falseEasting: new USSurveyFoot(185000),`
	`  falseNorthing: new USSurveyFoot(164114.46)`
	`)`

to NAD83(HARN) / WISCRS Portage (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Portage County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039936),`
	`  falseEasting: new Metre(56388.1128),`
	`  falseNorthing: new Metre(50022.1874)`
	`)`

to NAD83(HARN) / WISCRS Price (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Price County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new USSurveyFoot(747999.995),`
	`  falseNorthing: new USSurveyFoot(0.036)`
	`)`

to NAD83(HARN) / WISCRS Price (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Price County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new Metre(227990.8546),`
	`  falseNorthing: new Metre(0.0109)`
	`)`

to NAD83(HARN) / WISCRS Richland (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Richland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000375653),`
	`  falseEasting: new USSurveyFoot(664000),`
	`  falseNorthing: new USSurveyFoot(440469.675)`
	`)`

to NAD83(HARN) / WISCRS Richland (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Richland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000375653),`
	`  falseEasting: new Metre(202387.6048),`
	`  falseNorthing: new Metre(134255.4253)`
	`)`

to NAD83(HARN) / WISCRS Rock (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Rock County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new USSurveyFoot(480000),`
	`  falseNorthing: new USSurveyFoot(0.022)`
	`)`

to NAD83(HARN) / WISCRS Rock (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Rock County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_M),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new Metre(146304.2926),`
	`  falseNorthing: new Metre(0.0068)`
	`)`

to NAD83(HARN) / WISCRS Rusk (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Rusk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new USSurveyFoot(822000.001),`
	`  falseNorthing: new USSurveyFoot(0.077)`
	`)`

to NAD83(HARN) / WISCRS Rusk (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Rusk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new Metre(250546.1013),`
	`  falseNorthing: new Metre(0.0234)`
	`)`

to NAD83(HARN) / WISCRS Sauk (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Sauk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new USSurveyFoot(609000.001),`
	`  falseNorthing: new USSurveyFoot(0.017)`
	`)`

to NAD83(HARN) / WISCRS Sauk (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Sauk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new Metre(185623.5716),`
	`  falseNorthing: new Metre(0.0051)`
	`)`

to NAD83(HARN) / WISCRS Sawyer (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Sawyer County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new USSurveyFoot(711000.001),`
	`  falseNorthing: new USSurveyFoot(396108.667)`
	`)`

to NAD83(HARN) / WISCRS Sawyer (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Sawyer County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new Metre(216713.2336),`
	`  falseNorthing: new Metre(120734.1631)`
	`)`

to NAD83(HARN) / WISCRS Shawano (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Shawano County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new USSurveyFoot(861000.001),`
	`  falseNorthing: new USSurveyFoot(0.031)`
	`)`

to NAD83(HARN) / WISCRS Shawano (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Shawano County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new Metre(262433.3253),`
	`  falseNorthing: new Metre(0.0096)`
	`)`

to NAD83(HARN) / WISCRS St. Croix (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS St. Croix County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new USSurveyFoot(542999.997),`
	`  falseNorthing: new USSurveyFoot(0.034)`
	`)`

to NAD83(HARN) / WISCRS St. Croix (m) (Projected)

EPSG	PHPCoord

Name: WISCRS St. Croix County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new Metre(165506.7302),`
	`  falseNorthing: new Metre(0.0103)`
	`)`

to NAD83(HARN) / WISCRS Taylor (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Taylor County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000597566),`
	`  falseEasting: new USSurveyFoot(614000),`
	`  falseNorthing: new USSurveyFoot(353499.136)`
	`)`

to NAD83(HARN) / WISCRS Taylor (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Taylor County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000597566),`
	`  falseEasting: new Metre(187147.5744),`
	`  falseNorthing: new Metre(107746.7522)`
	`)`

to NAD83(HARN) / WISCRS Trempealeau (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new USSurveyFoot(843000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

to NAD83(HARN) / WISCRS Trempealeau (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new Metre(256946.9138),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

to NAD83(HARN) / WISCRS Vernon (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Vernon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new USSurveyFoot(730000),`
	`  falseNorthing: new USSurveyFoot(155944.768)`
	`)`

to NAD83(HARN) / WISCRS Vernon (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Vernon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new Metre(222504.4451),`
	`  falseNorthing: new Metre(47532.0602)`
	`)`

to NAD83(HARN) / WISCRS Vilas (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Vilas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_VILAS_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(46.`
	`↪077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000730142),`
	`  falseEasting: new USSurveyFoot(441000),`
	`  falseNorthing: new USSurveyFoot(165147.666)`
	`)`

to NAD83(HARN) / WISCRS Vilas (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Vilas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_VILAS_M),`
	`  latitudeOfNaturalOrigin: new Degree(46.`
	`↪077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000730142),`
	`  falseEasting: new Metre(134417.0689),`
	`  falseNorthing: new Metre(50337.1092)`
	`)`

to NAD83(HARN) / WISCRS Walworth (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Walworth County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_WALWORTH_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000367192),`
	`  falseEasting: new USSurveyFoot(763000),`
	`  falseNorthing: new USSurveyFoot(364461.943)`
	`)`

to NAD83(HARN) / WISCRS Walworth (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Walworth County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_WALWORTH_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.`
	`↪541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000367192),`
	`  falseEasting: new Metre(232562.8651),`
	`  falseNorthing: new Metre(111088.2224)`
	`)`

to NAD83(HARN) / WISCRS Washburn (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Washburn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_WASHBURN_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.`
	`↪783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000475376),`
	`  falseEasting: new USSurveyFoot(768000),`
	`  falseNorthing: new USSurveyFoot(617973.193)`
	`)`

to NAD83(HARN) / WISCRS Washburn (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Washburn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪HARN_WISCRS_WASHBURN_M),`
	`  latitudeOfNaturalOrigin: new Degree(45.`
	`↪961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.`
	`↪783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000475376),`
	`  falseEasting: new Metre(234086.8682),`
	`  falseNorthing: new Metre(188358.6058)`
	`)`

to NAD83(HARN) / WISCRS Washington (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Washington County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new USSurveyFoot(394000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

to NAD83(HARN) / WISCRS Washington (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Washington County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new Metre(120091.4415),`
	`  falseNorthing: new Metre(0.003)`
	`)`

to NAD83(HARN) / WISCRS Waukesha (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Waukesha County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new USSurveyFoot(685000.001),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

to NAD83(HARN) / WISCRS Waukesha (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Waukesha County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_M),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new Metre(208788.418),`
	`  falseNorthing: new Metre(0.0034)`
	`)`

to NAD83(HARN) / WISCRS Waupaca (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Waupaca County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000333645),`
	`  falseEasting: new USSurveyFoot(607000.003),`
	`  falseNorthing: new USSurveyFoot(0.023)`
	`)`

to NAD83(HARN) / WISCRS Waupaca (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Waupaca County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_M),`
	`  latitudeOfNaturalOrigin: new Degree(43.420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000333645),`
	`  falseEasting: new Metre(185013.9709),`
	`  falseNorthing: new Metre(0.007)`
	`)`

to NAD83(HARN) / WISCRS Waushara (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Waushara County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000392096),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(147866.367)`
	`)`

to NAD83(HARN) / WISCRS Waushara (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Waushara County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000392096),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(45069.7587)`
	`)`

to NAD83(HARN) / WISCRS Wood (ftUS) (Projected)

EPSG	PHPCoord

Name: WISCRS Wood County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new USSurveyFoot(684000.001),`
	`  falseNorthing: new USSurveyFoot(441566.551)`
	`)`

to NAD83(HARN) / WISCRS Wood (m) (Projected)

EPSG	PHPCoord

Name: WISCRS Wood County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_M),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new Metre(208483.6173),`
	`  falseNorthing: new Metre(134589.754)`
	`)`

to NAD83(HARN) / Washington North (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Washington North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Washington South (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Washington South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / West Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / West Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / West Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / West Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Wisconsin Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Wisconsin Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Wisconsin North (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Wisconsin North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Wisconsin South (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(HARN) / Wisconsin South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Wisconsin Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

to NAD83(HARN) / Wyoming East (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Wyoming East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(HARN) / Wyoming East Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(HARN) / Wyoming East Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(HARN) / Wyoming West (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(HARN) / Wyoming West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(HARN) / Wyoming West Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(HARN) / Wyoming West Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(NSRS2007) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Name: NAD83(HARN) to NAD83(NSRS2007) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska including EEZ
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeDifferenceFile: NADCON5NAD831992NAD832007AlaskaLatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD831992NAD832007AlaskaLongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD831992NAD832007AlaskaHeightProvider->provideGrid()`
	`)`

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_PA11),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD83PA11HawaiiLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD83PA11HawaiiLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831993NAD83PA11HawaiiHeightProvider->`
	`↪provideGrid()`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - HARN
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Name: NAD83(HARN) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-0.991),`
	`  yAxisTranslation: new Metre(1.9072),`
	`  zAxisTranslation: new Metre(0.5129),`
	`  xAxisRotation: new Radian(-1.25033E-7),`
	`  yAxisRotation: new Radian(-4.6785E-8),`
	`  zAxisRotation: new Radian(-5.6529E-8),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

NAD83(MA11)

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11)
```

to NAD83(FBN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(FBN) to NAD83(MA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Guam and NMI - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_FBN),`
	`  latitudeDifferenceFile: NADCON5NAD832002NAD83MA11GuamCnMILatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5NAD832002NAD83MA11GuamCnMILongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: NADCON5NAD832002NAD83MA11GuamCnMIHeightProvider->provideGrid()`
	`)`

to NAD83(MA11) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MA11)`
	`)`

to NAD83(MA11) / Guam Map Grid (Projected)

EPSG	PHPCoord

Name: Guam Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MA11_GUAM_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(13.5),`
	`  longitudeOfNaturalOrigin: new Degree(144.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NAD83(MA11) / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(MA11) / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(MARP00)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MARP00)`

to NAD83(MARP00) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MARP00)`
	`)`

NAD83(NSRS2007)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(NSRS2007) to NAD83(2011) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011AlaskaLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011AlaskaHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(NSRS2007) to NAD83(2011) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011CONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011CONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011CONUSHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(NSRS2007) to NAD83(2011) (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832007NAD832011PRVIHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(FBN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(FBN) to NAD83(NSRS2007) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and GoM
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD83FBNNAD832007CONUSLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD83FBNNAD832007CONUSLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD83FBNNAD832007CONUSHeightProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83(FBN) to NAD83(NSRS2007) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832002NAD832007PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832002NAD832007PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832002NAD832007PRVIHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(NSRS2007) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

Name: NAD83(HARN) to NAD83(NSRS2007) (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska including EEZ
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831992NAD832007AlaskaLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831992NAD832007AlaskaLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831992NAD832007AlaskaHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(NSRS2007) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_NSRS2007)`
	`)`

to NAD83(NSRS2007) / Alabama East (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alabama West (Projected)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska Albers (Projected)

EPSG	PHPCoord

Name: Alaska Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_1),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to NAD83(NSRS2007) / Alaska zone 10 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 10 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_10),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_ALASKA_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_ALASKA_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_ALASKA_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 7 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 7 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 8 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 8 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Alaska zone 9 (Projected)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 9 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Arizona Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Arizona Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_ARIZONA_CENTRAL_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.`
	`↪91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Arizona East (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_ARIZONA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Arizona East (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_ARIZONA_EAST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Arizona West (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Arizona West (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST_FT),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Arkansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Arkansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Arkansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83(NSRS2007) / Arkansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(NSRS2007) / California Albers (Projected)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

to NAD83(NSRS2007) / California zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / California zone 1 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / California zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / California zone 2 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / California zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / California zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / California zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / California zone 4 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / California zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / California zone 5 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / California zone 6 (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / California zone 6 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / Colorado Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(NSRS2007) / Colorado Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(NSRS2007) / Colorado North (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(NSRS2007) / Colorado North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(NSRS2007) / Colorado South (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

to NAD83(NSRS2007) / Colorado South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

to NAD83(NSRS2007) / Connecticut (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

to NAD83(NSRS2007) / Connecticut (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

to NAD83(NSRS2007) / Conus Albers (Projected)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONUS_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Delaware (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Delaware (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / EPSG Arctic zone 5-29 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 173°W to 153°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_29),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-163),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(NSRS2007) / EPSG Arctic zone 5-31 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 157°W to 137°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_31),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to NAD83(NSRS2007) / EPSG Arctic zone 6-14 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 174°W to 156°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_14),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-165),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(NSRS2007) / EPSG Arctic zone 6-16 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 156°W to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_16),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

to NAD83(NSRS2007) / Florida East (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Florida East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Florida GDL Albers (Projected)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_GDL_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Florida North (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Florida North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Florida West (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Florida West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Georgia East (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Georgia East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_GEORGIA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.`
	`↪166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Georgia West (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_GEORGIA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.`
	`↪166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Georgia West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_GEORGIA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.`
	`↪166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Idaho Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_IDAHO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(41.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Idaho Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_IDAHO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Idaho East (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Idaho East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Idaho West (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Idaho West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Illinois East (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Illinois East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Illinois West (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Illinois West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Indiana East (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83(NSRS2007) / Indiana East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83(NSRS2007) / Indiana West (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to NAD83(NSRS2007) / Indiana West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

to NAD83(NSRS2007) / Iowa North (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(NSRS2007) / Iowa North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83(NSRS2007) / Iowa South (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Iowa South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Kansas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Kansas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Kansas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

to NAD83(NSRS2007) / Kansas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

to NAD83(NSRS2007) / Kentucky North (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Kentucky North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Kentucky Single Zone (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(NSRS2007) / Kentucky Single Zone (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(3280833.333)`
	`)`

to NAD83(NSRS2007) / Kentucky South (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to NAD83(NSRS2007) / Kentucky South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

to NAD83(NSRS2007) / Louisiana North (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Louisiana North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Louisiana South (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Louisiana South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Maine CS2000 Central (Projected)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_MAINE_CS2000_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Maine CS2000 East (Projected)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_MAINE_CS2000_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Maine CS2000 West (Projected)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_MAINE_CS2000_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Maine East (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Maine East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Maine West (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Maine West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Maryland (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Maryland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Massachusetts Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Massachusetts Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Massachusetts Mainland (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_MAINLAND),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

to NAD83(NSRS2007) / Massachusetts Mainland (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_MAINLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

to NAD83(NSRS2007) / Michigan Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Michigan Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Michigan North (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Michigan North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Michigan Oblique Mercator (Projected)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_OBLIQUE_MERCATOR),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

to NAD83(NSRS2007) / Michigan South (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Michigan South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Minnesota Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(NSRS2007) / Minnesota Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(NSRS2007) / Minnesota North (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(NSRS2007) / Minnesota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(NSRS2007) / Minnesota South (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

to NAD83(NSRS2007) / Minnesota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(NSRS2007) / Mississippi East (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Mississippi East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Mississippi TM (Projected)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_TM),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to NAD83(NSRS2007) / Mississippi West (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Mississippi West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Missouri Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Missouri East (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Missouri West (Projected)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Montana (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_MONTANA),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Montana (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_MONTANA_FT),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Nebraska (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_NEBRASKA),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Nebraska (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_NEBRASKA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.`
	`↪6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Nevada Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

to NAD83(NSRS2007) / Nevada Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

to NAD83(NSRS2007) / Nevada East (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

to NAD83(NSRS2007) / Nevada East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

to NAD83(NSRS2007) / Nevada West (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

to NAD83(NSRS2007) / Nevada West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

to NAD83(NSRS2007) / New Hampshire (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New Hampshire (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New Jersey (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New Jersey (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New Mexico Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New Mexico Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_NEW_MEXICO_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New Mexico East (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_NEW_MEXICO_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New Mexico East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New Mexico West (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New Mexico West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New York Central (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New York Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New York East (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New York East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New York Long Island (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New York Long Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / New York West (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / New York West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / North Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / North Carolina (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / North Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / North Dakota North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / North Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / North Dakota South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Ohio North (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Ohio North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Ohio South (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Ohio South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Oklahoma North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Oklahoma North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Oklahoma South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Oklahoma South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Oregon GIC Lambert (ft) (Projected)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_GIC_LAMBERT_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Oregon LCC (m) (Projected)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_LCC_M),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Oregon North (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Oregon North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Oregon South (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Oregon South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / Pennsylvania North (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Pennsylvania North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Pennsylvania South (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Pennsylvania South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Puerto Rico and Virgin Is. (Projected)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PUERTO_RICO_AND_VIRGIN_IS),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to NAD83(NSRS2007) / Rhode Island (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Rhode Island (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / South Carolina (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / South Carolina (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA_FT),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

to NAD83(NSRS2007) / South Dakota North (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / South Dakota North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / South Dakota South (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / South Dakota South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Tennessee (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Tennessee (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Texas Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(NSRS2007) / Texas Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83(NSRS2007) / Texas Centric Albers Equal Area (Projected)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_ALBERS_EQUAL_AREA),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

to NAD83(NSRS2007) / Texas Centric Lambert Conformal (Projected)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_LAMBERT_CONFORMAL),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83(NSRS2007) / Texas North (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(NSRS2007) / Texas North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(3280833.333)`
	`)`

to NAD83(NSRS2007) / Texas North Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(NSRS2007) / Texas North Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83(NSRS2007) / Texas South (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to NAD83(NSRS2007) / Texas South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

to NAD83(NSRS2007) / Texas South Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

to NAD83(NSRS2007) / Texas South Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

to NAD83(NSRS2007) / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪NSRS2007_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Utah Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(NSRS2007) / Utah Central (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FT),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(6561679.79)`
	`)`

to NAD83(NSRS2007) / Utah Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.6667)`
	`)`

to NAD83(NSRS2007) / Utah North (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(NSRS2007) / Utah North (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(3280839.895)`
	`)`

to NAD83(NSRS2007) / Utah North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

to NAD83(NSRS2007) / Utah South (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to NAD83(NSRS2007) / Utah South (ft) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FT),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(9842519.685)`
	`)`

to NAD83(NSRS2007) / Utah South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

to NAD83(NSRS2007) / Vermont (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Vermont (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Virginia Lambert (Projected)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

to NAD83(NSRS2007) / Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

to NAD83(NSRS2007) / Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to NAD83(NSRS2007) / Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

to NAD83(NSRS2007) / Washington North (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Washington North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Washington South (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Washington South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / West Virginia North (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / West Virginia North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / West Virginia South (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / West Virginia South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin North (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin North (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin South (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin South (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH_FTUS),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Wisconsin Transverse Mercator (Projected)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_TRANSVERSE_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

to NAD83(NSRS2007) / Wyoming East (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Wyoming East (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(NSRS2007) / Wyoming East Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(NSRS2007) / Wyoming East Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(NSRS2007) / Wyoming West (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

to NAD83(NSRS2007) / Wyoming West (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

to NAD83(NSRS2007) / Wyoming West Central (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(NSRS2007) / Wyoming West Central (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NAD83(NSRS2007) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

NAD83(PA11)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11)`

to NAD83(FBN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(FBN) to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups and Rose Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD832002NAD83PA11ASLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD832002NAD83PA11ASLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD832002NAD83PA11ASHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to NAD83(PA11) (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD83PA11HawaiiLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5NAD831993NAD83PA11HawaiiLongitudeProvider-`
	`↪>provideGrid(),`
	`  ellipsoidalHeightDifferenceFile:␣`
	`↪NADCON5NAD831993NAD83PA11HawaiiHeightProvider->`
	`↪provideGrid()`
	`)`

to NAD83(PA11) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PA11)`
	`)`

to NAD83(PA11) / Hawaii zone 1 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(PA11) / Hawaii zone 2 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(PA11) / Hawaii zone 3 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(PA11) / Hawaii zone 3 (ftUS) (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to NAD83(PA11) / Hawaii zone 4 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(PA11) / Hawaii zone 5 (Projected)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪PA11_HAWAII_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(21.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(PA11) / UTM zone 2S (Projected)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪PA11_UTM_ZONE_2S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NAD83(PA11) / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_`
	`↪PA11_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NAD83(PA11) / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PACP00)

`Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PACP00)`

to NAD83(PACP00) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PACP00)`
	`)`

NEA74 Noumea

`Geographic2D::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA)`

to NEA74 Noumea / Noumea Lambert (Projected)

EPSG	PHPCoord

Name: Noumea Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-22.26969175),`
	`  longitudeOfFalseOrigin: new Degree(166.44242575),`
	`  latitudeOf1stStandardParallel: new Degree(-22.24469175),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.29469175),`
	`  eastingAtFalseOrigin: new Metre(0.66),`
	`  northingAtFalseOrigin: new Metre(1.02)`
	`)`

to NEA74 Noumea / Noumea Lambert 2 (Projected)

EPSG	PHPCoord

Name: Noumea Lambert 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT_2),`
	`  latitudeOfFalseOrigin: new Degree(-22.269722222222),`
	`  longitudeOfFalseOrigin: new Degree(166.4425),`
	`  latitudeOf1stStandardParallel: new Degree(-22.244722222222),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.294722222222),`
	`  eastingAtFalseOrigin: new Metre(8.313),`
	`  northingAtFalseOrigin: new Metre(-2.354)`
	`)`

to NEA74 Noumea / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: NEA74 Noumea to RGNC91-93 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  xAxisTranslation: new Metre(-166.0684),`
	`  yAxisTranslation: new Metre(-154.7826),`
	`  zAxisTranslation: new Metre(254.8282),`
	`  xAxisRotation: new ArcSecond(37.546),`
	`  yAxisRotation: new ArcSecond(-7.7018),`
	`  zAxisRotation: new ArcSecond(10.2029),`
	`  scaleDifference: new PartsPerMillion(-30.84)`
	`)`

Name: NEA74 Noumea to RGNC91-93 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  offsetsFile: IGNFGeocentricTranslationNEA74NoumeaRGNC9193Provider->provideGrid()`
	`)`

NGN

```
Geographic2D::fromSRID(Geographic2D::EPSG_NGN)
```

to NGN / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGN_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGN / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGN_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NGN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-3.2),`
	`  yAxisTranslation: new Metre(-5.7),`
	`  zAxisTranslation: new Metre(2.8)`
	`)`

NGO 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: NGO 1948 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(278.3),`
	`  yAxisTranslation: new Metre(93),`
	`  zAxisTranslation: new Metre(474.5),`
	`  xAxisRotation: new ArcSecond(7.889),`
	`  yAxisRotation: new ArcSecond(0.05),`
	`  zAxisRotation: new ArcSecond(-6.61),`
	`  scaleDifference: new PartsPerMillion(6.21)`
	`)`

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO 1948 (Oslo) to NGO1948 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  longitudeOffset: new Degree(-10.722916666667)`
	`)`

NGO 1948 (Oslo)

`Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO)`

to NGO 1948 (Geographic2D)

EPSG	PHPCoord

Name: NGO 1948 (Oslo) to NGO1948 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948),`
	`  longitudeOffset: new Degree(10.722916666667)`
	`)`

to NGO 1948 (Oslo) / NGO zone I (Projected)

EPSG	PHPCoord

Name: NGO zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone I
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(-4.6666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone II (Projected)

EPSG	PHPCoord

Name: NGO zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone II
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_II),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(-2.3333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone III (Projected)

EPSG	PHPCoord

Name: NGO zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone III
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_III),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone IV (Projected)

EPSG	PHPCoord

Name: NGO zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone IV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_IV),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(2.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone V (Projected)

EPSG	PHPCoord

Name: NGO zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_V),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(6.1666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone VI (Projected)

EPSG	PHPCoord

Name: NGO zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone VI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VI),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone VII (Projected)

EPSG	PHPCoord

Name: NGO zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone VII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VII),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(14.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NGO 1948 (Oslo) / NGO zone VIII (Projected)

EPSG	PHPCoord

Name: NGO zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone VIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VIII),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(18.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NSIDC Authalic Sphere

```
Geographic2D::fromSRID(Geographic2D::EPSG_NSIDC_AUTHALIC_SPHERE)
```

to NSIDC EASE-Grid Global (Projected)

EPSG	PHPCoord

Name: US NSIDC Equal Area global projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 86°S to 86°N
	`$point->lambertCylindricalEqualAreaSpherical(`
	`  to: Projected::fromSRID(Projected::EPSG_NSIDC_`
	`↪EASE_GRID_GLOBAL),`
	`  latitudeOf1stStandardParallel: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NSIDC EASE-Grid North (Projected)

EPSG	PHPCoord

Name: US NSIDC Equal Area north projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 0°N
	`$point->lambertAzimuthalEqualAreaSpherical(`
	`  to: Projected::fromSRID(Projected::EPSG_NSIDC_`
	`↪EASE_GRID_NORTH),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to NSIDC EASE-Grid South (Projected)

EPSG	PHPCoord

Name: US NSIDC Equal Area south projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - south of 0°N
	`$point->lambertAzimuthalEqualAreaSpherical(`
	`  to: Projected::fromSRID(Projected::EPSG_NSIDC_`
	`↪EASE_GRID_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NTF

`Geographic2D::fromSRID(Geographic2D::EPSG_NTF)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: NTF to ED50 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  xAxisTranslation: new Metre(-84),`
	`  yAxisTranslation: new Metre(37),`
	`  zAxisTranslation: new Metre(437)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: NTF to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(-168),`
	`  yAxisTranslation: new Metre(-60),`
	`  zAxisTranslation: new Metre(320)`
	`)`

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: NTF (Paris) to NTF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  longitudeOffset: new Grad(-2.5969213)`
	`)`

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: NTF to RGF93 v1 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V1),`
	`  offsetsFile:␣`
	`↪IGNFGeocentricTranslationNTFRGF93Provider->`
	`↪provideGrid()`
	`)`

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: NTF to RGF93 v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V2),`
	`  offsetsFile:␣`
	`↪IGNFGeocentricTranslationNTFRGF93Provider->`
	`↪provideGrid()`
	`)`

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: NTF to RGF93 v2b (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V2B),`
	`  offsetsFile:␣`
	`↪IGNFGeocentricTranslationNTFRGF93Provider->`
	`↪provideGrid()`
	`)`

NTF (Paris)

`Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS)`

to NTF (Geographic2D)

EPSG	PHPCoord

Name: NTF (Paris) to NTF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF),`
	`  longitudeOffset: new Grad(2.5969213)`
	`)`

to NTF (Paris) / Lambert Centre France (Projected)

EPSG	PHPCoord

Name: Lambert Centre France
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland 45.45°N to 48.15°N. Also all mainland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CENTRE_FRANCE),`
	`  latitudeOfNaturalOrigin: new Grad(52),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99987742),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NTF (Paris) / Lambert Corse (Projected)

EPSG	PHPCoord

Name: Lambert Corse
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CORSE),`
	`  latitudeOfNaturalOrigin: new Grad(46.85),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99994471),`
	`  falseEasting: new Metre(234.358),`
	`  falseNorthing: new Metre(185861.369)`
	`)`

to NTF (Paris) / Lambert Nord France (Projected)

EPSG	PHPCoord

Name: Lambert Nord France
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 48.15°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_NORD_FRANCE),`
	`  latitudeOfNaturalOrigin: new Grad(55),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877341),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NTF (Paris) / Lambert Sud France (Projected)

EPSG	PHPCoord

Name: Lambert Sud France
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 45.45°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_SUD_FRANCE),`
	`  latitudeOfNaturalOrigin: new Grad(49),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877499),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(200000)`
	`)`

to NTF (Paris) / Lambert zone I (Projected)

EPSG	PHPCoord

Name: Lambert zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 48.15°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Grad(55),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877341),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(1200000)`
	`)`

to NTF (Paris) / Lambert zone II (Projected)

EPSG	PHPCoord

Name: Lambert zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland 45.45°N to 48.15°N. Also all mainland
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_II),`
	`  latitudeOfNaturalOrigin: new Grad(52),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99987742),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(2200000)`
	`)`

to NTF (Paris) / Lambert zone III (Projected)

EPSG	PHPCoord

Name: Lambert zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 45.45°N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_III),`
	`  latitudeOfNaturalOrigin: new Grad(49),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877499),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(3200000)`
	`)`

to NTF (Paris) / Lambert zone IV (Projected)

EPSG	PHPCoord

Name: Lambert zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_IV),`
	`  latitudeOfNaturalOrigin: new Grad(46.85),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99994471),`
	`  falseEasting: new Metre(234.358),`
	`  falseNorthing: new Metre(4185861.369)`
	`)`

NZGD2000

`Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000)`

to Chatham Islands 1979 (Geographic2D)

EPSG	PHPCoord

Name: CI1979 to NZGD2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHATHAM_ISLANDS_1979),`
	`  xAxisTranslation: new Metre(-174.05),`
	`  yAxisTranslation: new Metre(25.49),`
	`  zAxisTranslation: new Metre(-112.57),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.554),`
	`  scaleDifference: new PartsPerMillion(-0.2263)`
	`)`

to NZGD2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NZGD2000)`
	`)`

to NZGD2000 / Amuri 2000 (Projected)

EPSG	PHPCoord

Name: Amuri 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Amuri mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_AMURI_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-42.`
	`↪688888888889),`
	`  longitudeOfNaturalOrigin: new Degree(173.01),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Antipodes Islands TM 2000 (Projected)

EPSG	PHPCoord

Name: Antipodes Islands Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Antipodes and Bounty Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_ANTIPODES_ISLANDS_TM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(179),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / Auckland Islands TM 2000 (Projected)

EPSG	PHPCoord

Name: Auckland Islands Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Snares and Auckland Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_AUCKLAND_ISLANDS_TM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(166),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / Bay of Plenty 2000 (Projected)

EPSG	PHPCoord

Name: Bay of Plenty 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Bay of Plenty mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_BAY_OF_PLENTY_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-37.`
	`↪761111111111),`
	`  longitudeOfNaturalOrigin: new Degree(176.`
	`↪46611111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Bluff 2000 (Projected)

EPSG	PHPCoord

Name: Bluff 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South and Stewart Islands - Bluff mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_BLUFF_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-46.6),`
	`  longitudeOfNaturalOrigin: new Degree(168.`
	`↪34277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Buller 2000 (Projected)

EPSG	PHPCoord

Name: Buller 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Buller mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_BULLER_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.`
	`↪810555555556),`
	`  longitudeOfNaturalOrigin: new Degree(171.`
	`↪58111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Campbell Island TM 2000 (Projected)

EPSG	PHPCoord

Name: Campbell Island Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Campbell Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_CAMPBELL_ISLAND_TM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(169),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / Chatham Island Circuit 2000 (Projected)

EPSG	PHPCoord

Name: Chatham Island Circuit 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_CHATHAM_ISLAND_CIRCUIT_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Chatham Islands TM 2000 (Projected)

EPSG	PHPCoord

Name: Chatham Islands Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_CHATHAM_ISLANDS_TM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / Collingwood 2000 (Projected)

EPSG	PHPCoord

Name: Collingwood 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Collingwood mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_COLLINGWOOD_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-40.`
	`↪714722222222),`
	`  longitudeOfNaturalOrigin: new Degree(172.`
	`↪67194444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Gawler 2000 (Projected)

EPSG	PHPCoord

Name: Gawler 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Gawler mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_GAWLER_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.748611111111),`
	`  longitudeOfNaturalOrigin: new Degree(171.36055555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Grey 2000 (Projected)

EPSG	PHPCoord

Name: Grey 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Grey mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_GREY_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-42.333611111111),`
	`  longitudeOfNaturalOrigin: new Degree(171.54972222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Hawkes Bay 2000 (Projected)

EPSG	PHPCoord

Name: Hawkes Bay 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_HAWKES_BAY_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-39.650833333333),`
	`  longitudeOfNaturalOrigin: new Degree(176.67361111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Hokitika 2000 (Projected)

EPSG	PHPCoord

Name: Hokitika 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Hokitika mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_HOKITIKA_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-42.886111111111),`
	`  longitudeOfNaturalOrigin: new Degree(170.97972222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Jacksons Bay 2000 (Projected)

EPSG	PHPCoord

Name: Jacksons Bay 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Jacksons Bay mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_JACKSONS_BAY_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.977777777778),`
	`  longitudeOfNaturalOrigin: new Degree(168.60611111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Karamea 2000 (Projected)

EPSG	PHPCoord

Name: Karamea 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Karamea mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_KARAMEA_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.289722222222),`
	`  longitudeOfNaturalOrigin: new Degree(172.10888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Lindis Peak 2000 (Projected)

EPSG	PHPCoord

Name: Lindis Peak 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lindis Peak mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_LINDIS_PEAK_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-44.735),`
	`  longitudeOfNaturalOrigin: new Degree(169.4675),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Marlborough 2000 (Projected)

EPSG	PHPCoord

Name: Marlborough 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Marlborough mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_MARLBOROUGH_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.`
	`↪544444444444),`
	`  longitudeOfNaturalOrigin: new Degree(173.`
	`↪80194444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Mount Eden 2000 (Projected)

EPSG	PHPCoord

Name: Mount Eden 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Mount Eden mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_EDEN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-36.879722222222),`
	`  longitudeOfNaturalOrigin: new Degree(174.76416666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Mount Nicholas 2000 (Projected)

EPSG	PHPCoord

Name: Mount Nicholas 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Nicholas mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_NICHOLAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.132777777778),`
	`  longitudeOfNaturalOrigin: new Degree(168.39861111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Mount Pleasant 2000 (Projected)

EPSG	PHPCoord

Name: Mount Pleasant 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Pleasant mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_MOUNT_PLEASANT_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.`
	`↪590555555556),`
	`  longitudeOfNaturalOrigin: new Degree(172.`
	`↪72694444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Mount York 2000 (Projected)

EPSG	PHPCoord

Name: Mount York 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount York mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_MOUNT_YORK_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.`
	`↪563611111111),`
	`  longitudeOfNaturalOrigin: new Degree(167.`
	`↪73861111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / NZCS2000 (Projected)

EPSG	PHPCoord

Name: New Zealand Continental Shelf Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - offshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_NZCS2000),`
	`  latitudeOfFalseOrigin: new Degree(-41),`
	`  longitudeOfFalseOrigin: new Degree(173),`
	`  latitudeOf1stStandardParallel: new Degree(-37.5),`
	`  latitudeOf2ndStandardParallel: new Degree(-44.5),`
	`  eastingAtFalseOrigin: new Metre(3000000),`
	`  northingAtFalseOrigin: new Metre(7000000)`
	`)`

to NZGD2000 / Nelson 2000 (Projected)

EPSG	PHPCoord

Name: Nelson 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_NELSON_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.274444444444),`
	`  longitudeOfNaturalOrigin: new Degree(173.29916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / New Zealand Transverse Mercator 2000 (Projected)

EPSG	PHPCoord

Name: New Zealand Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_NEW_ZEALAND_TRANSVERSE_MERCATOR_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(173),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1600000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / North Taieri 2000 (Projected)

EPSG	PHPCoord

Name: North Taieri 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - North Taieri mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_NORTH_TAIERI_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.`
	`↪861388888889),`
	`  longitudeOfNaturalOrigin: new Degree(170.2825),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Observation Point 2000 (Projected)

EPSG	PHPCoord

Name: Observation Point 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Observation Point mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪NZGD2000_OBSERVATION_POINT_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.`
	`↪816111111111),`
	`  longitudeOfNaturalOrigin: new Degree(170.`
	`↪62833333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Okarito 2000 (Projected)

EPSG	PHPCoord

Name: Okarito 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Okarito mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_OKARITO_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.11),`
	`  longitudeOfNaturalOrigin: new Degree(170.26083333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Poverty Bay 2000 (Projected)

EPSG	PHPCoord

Name: Poverty Bay 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Poverty Bay mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_POVERTY_BAY_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-38.624444444444),`
	`  longitudeOfNaturalOrigin: new Degree(177.88555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Raoul Island TM 2000 (Projected)

EPSG	PHPCoord

Name: Raoul Island Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Raoul and Kermadec Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_RAOUL_ISLAND_TM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-178),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / Taranaki 2000 (Projected)

EPSG	PHPCoord

Name: Taranaki 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_TARANAKI_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-39.135555555556),`
	`  longitudeOfNaturalOrigin: new Degree(174.22777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Timaru 2000 (Projected)

EPSG	PHPCoord

Name: Timaru 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Timaru mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_TIMARU_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-44.401944444444),`
	`  longitudeOfNaturalOrigin: new Degree(171.05722222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Tuhirangi 2000 (Projected)

EPSG	PHPCoord

Name: Tuhirangi 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Tuhirangi mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_TUHIRANGI_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-39.512222222222),`
	`  longitudeOfNaturalOrigin: new Degree(175.64),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / UTM zone 60S (Projected)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_60S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD2000 / Wairarapa 2000 (Projected)

EPSG	PHPCoord

Name: Wairarapa 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wairarapa mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_WAIRARAPA_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-40.925277777778),`
	`  longitudeOfNaturalOrigin: new Degree(175.64722222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Wanganui 2000 (Projected)

EPSG	PHPCoord

Name: Wanganui 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wanganui mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_WANGANUI_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-40.241944444444),`
	`  longitudeOfNaturalOrigin: new Degree(175.48805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD2000 / Wellington 2000 (Projected)

EPSG	PHPCoord

Name: Wellington 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD2000_WELLINGTON_2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.301111111111),`
	`  longitudeOfNaturalOrigin: new Degree(174.77638888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: NZGD49 to NZGD2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD49),`
	`  xAxisTranslation: new Metre(-54.4),`
	`  yAxisTranslation: new Metre(20.1),`
	`  zAxisTranslation: new Metre(-183.1)`
	`)`

Name: NZGD49 to NZGD2000 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD49),`
	`  offsetsFile: ␣`
	`↪NTv2NZGD1949NZGD2000NewZealandProvider->`
	`↪provideGrid()`
	`)`

Name: NZGD49 to NZGD2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD49),`
	`  xAxisTranslation: new Metre(-59.47),`
	`  yAxisTranslation: new Metre(5.04),`
	`  zAxisTranslation: new Metre(-187.44),`
	`  xAxisRotation: new ArcSecond(0.47),`
	`  yAxisRotation: new ArcSecond(-0.1),`
	`  zAxisRotation: new ArcSecond(1.024),`
	`  scaleDifference: new PartsPerMillion(4.5993)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NZGD2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

NZGD49

```
Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: NZGD49 to NZGD2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  xAxisTranslation: new Metre(54.4),`
	`  yAxisTranslation: new Metre(-20.1),`
	`  zAxisTranslation: new Metre(183.1)`
	`)`

Name: NZGD49 to NZGD2000 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  offsetsFile: NTv2NZGD1949NZGD2000NewZealandProvider->provideGrid()`
	`)`

Name: NZGD49 to NZGD2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  xAxisTranslation: new Metre(59.47),`
	`  yAxisTranslation: new Metre(-5.04),`
	`  zAxisTranslation: new Metre(187.44),`
	`  xAxisRotation: new ArcSecond(-0.47),`
	`  yAxisRotation: new ArcSecond(0.1),`
	`  zAxisRotation: new ArcSecond(-1.024),`
	`  scaleDifference: new PartsPerMillion(-4.5993)`
	`)`

to NZGD49 / Amuri Circuit (Projected)

EPSG	PHPCoord

Name: Amuri Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Amuri mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_AMURI_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-42.689116583333),`
	`  longitudeOfNaturalOrigin: new Degree(173.01013338889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Bay of Plenty Circuit (Projected)

EPSG	PHPCoord

Name: Bay of Plenty Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Bay of Plenty mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_BAY_OF_PLENTY_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-37.761249805556),`
	`  longitudeOfNaturalOrigin: new Degree(176.46619725),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Bluff Circuit (Projected)

EPSG	PHPCoord

Name: Bluff Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South and Stewart Islands - Bluff mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_BLUFF_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-46.600009611111),`
	`  longitudeOfNaturalOrigin: new Degree(168.342872),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300002.66),`
	`  falseNorthing: new Metre(699999.58)`
	`)`

to NZGD49 / Buller Circuit (Projected)

EPSG	PHPCoord

Name: Buller Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Buller mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_BULLER_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-41.810802861111),`
	`  longitudeOfNaturalOrigin: new Degree(171.58126005556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Collingwood Circuit (Projected)

EPSG	PHPCoord

Name: Collingwood Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Collingwood mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪COLLINGWOOD_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-40.`
	`↪714759055556),`
	`  longitudeOfNaturalOrigin: new Degree(172.`
	`↪6720465),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Gawler Circuit (Projected)

EPSG	PHPCoord

Name: Gawler Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Gawler mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪GAWLER_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-43.`
	`↪748711555556),`
	`  longitudeOfNaturalOrigin: new Degree(171.`
	`↪36074847222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Grey Circuit (Projected)

EPSG	PHPCoord

Name: Grey Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Grey mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_GREY_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-42.333694277778),`
	`  longitudeOfNaturalOrigin: new Degree(171.54977130556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Hawkes Bay Circuit (Projected)

EPSG	PHPCoord

Name: Hawkes Bay Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_HAWKES_BAY_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-39.650929305556),`
	`  longitudeOfNaturalOrigin: new Degree(176.67368052778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Hokitika Circuit (Projected)

EPSG	PHPCoord

Name: Hokitika Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Hokitika mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_HOKITIKA_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-42.886322361111),`
	`  longitudeOfNaturalOrigin: new Degree(170.9799935),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Jacksons Bay Circuit (Projected)

EPSG	PHPCoord

Name: Jacksons Bay Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Jacksons Bay mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_JACKSONS_BAY_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-43.977802888889),`
	`  longitudeOfNaturalOrigin: new Degree(168.606267),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Karamea Circuit (Projected)

EPSG	PHPCoord

Name: Karamea Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Karamea mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_KARAMEA_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-41.289911527778),`
	`  longitudeOfNaturalOrigin: new Degree(172.10902819444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Lindis Peak Circuit (Projected)

EPSG	PHPCoord

Name: Lindis Peak Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lindis Peak mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_LINDIS_PEAK_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-44.735267972222),`
	`  longitudeOfNaturalOrigin: new Degree(169.46775508333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Marlborough Circuit (Projected)

EPSG	PHPCoord

Name: Marlborough Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Marlborough mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_MARLBOROUGH_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-41.544486666667),`
	`  longitudeOfNaturalOrigin: new Degree(173.80207411111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Mount Eden Circuit (Projected)

EPSG	PHPCoord

Name: Mount Eden Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Mount Eden mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_EDEN_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-36.879865277778),`
	`  longitudeOfNaturalOrigin: new Degree(174.76433936111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Mount Nicholas Circuit (Projected)

EPSG	PHPCoord

Name: Mount Nicholas Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Nicholas mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_NICHOLAS_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-45.132902583333),`
	`  longitudeOfNaturalOrigin: new Degree(168.39864119444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Mount Pleasant Circuit (Projected)

EPSG	PHPCoord

Name: Mount Pleasant Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Pleasant mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_PLEASANT_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-43.590637583333),`
	`  longitudeOfNaturalOrigin: new Degree(172.72719358333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Mount York Circuit (Projected)

EPSG	PHPCoord

Name: Mount York Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount York mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_YORK_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-45.563726166667),`
	`  longitudeOfNaturalOrigin: new Degree(167.73886177778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Nelson Circuit (Projected)

EPSG	PHPCoord

Name: Nelson Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_NELSON_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-41.274544722222),`
	`  longitudeOfNaturalOrigin: new Degree(173.29931680556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / New Zealand Map Grid (Projected)

EPSG	PHPCoord

Name: New Zealand Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore
	`$point->newZealandMapGrid(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_NEW_ZEALAND_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-41),`
	`  longitudeOfNaturalOrigin: new Degree(173),`
	`  falseEasting: new Metre(2510000),`
	`  falseNorthing: new Metre(6023150)`
	`)`

to NZGD49 / North Island Grid (Projected)

EPSG	PHPCoord

Name: New Zealand North Island National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_NORTH_ISLAND_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-39),`
	`  longitudeOfNaturalOrigin: new Degree(175.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new BritishYard1922Sears(300000),`
	`  falseNorthing: new BritishYard1922Sears(400000)`
	`)`

to NZGD49 / North Taieri Circuit (Projected)

EPSG	PHPCoord

Name: North Taieri Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - North Taieri mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_NORTH_TAIERI_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-45.861513361111),`
	`  longitudeOfNaturalOrigin: new Degree(170.28258911111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Observation Point Circuit (Projected)

EPSG	PHPCoord

Name: Observation Point Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Observation Point mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪OBSERVATION_POINT_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-45.`
	`↪816196611111),`
	`  longitudeOfNaturalOrigin: new Degree(170.`
	`↪62859516667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Okarito Circuit (Projected)

EPSG	PHPCoord

Name: Okarito Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Okarito mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪OKARITO_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-43.`
	`↪110128138889),`
	`  longitudeOfNaturalOrigin: new Degree(170.`
	`↪26092583333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Poverty Bay Circuit (Projected)

EPSG	PHPCoord

Name: Poverty Bay Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Poverty Bay mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪POVERTY_BAY_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-38.`
	`↪624702777778),`
	`  longitudeOfNaturalOrigin: new Degree(177.`
	`↪88563627778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / South Island Grid (Projected)

EPSG	PHPCoord

Name: New Zealand South Island National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South and Stewart Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪SOUTH_ISLAND_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(171.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new BritishYard1922Sears(500000),`
	`  falseNorthing: new BritishYard1922Sears(500000)`
	`)`

to NZGD49 / Taranaki Circuit (Projected)

EPSG	PHPCoord

Name: Taranaki Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_TARANAKI_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-39.135758305556),`
	`  longitudeOfNaturalOrigin: new Degree(174.22801175),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Timaru Circuit (Projected)

EPSG	PHPCoord

Name: Timaru Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Timaru mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_TIMARU_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-44.402220361111),`
	`  longitudeOfNaturalOrigin: new Degree(171.05725083333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Tuhirangi Circuit (Projected)

EPSG	PHPCoord

Name: Tuhirangi Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Tuhirangi mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_TUHIRANGI_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-39.512470388889),`
	`  longitudeOfNaturalOrigin: new Degree(175.640036805556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD49 / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD49 / UTM zone 60S (Projected)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_60S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to NZGD49 / Wairarapa Circuit (Projected)

EPSG	PHPCoord

Name: Wairarapa Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wairarapa mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_WAIRARAPA_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-40.925532638889),`
	`  longitudeOfNaturalOrigin: new Degree(175.64734966667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Wanganui Circuit (Projected)

EPSG	PHPCoord

Name: Wanganui Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wanganui mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪WANGANUI_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-40.`
	`↪241947138889),`
	`  longitudeOfNaturalOrigin: new Degree(175.`
	`↪48809961111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to NZGD49 / Wellington Circuit (Projected)

EPSG	PHPCoord

Name: Wellington Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington mc
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NZGD49_`
	`↪WELLINGTON_CIRCUIT),`
	`  latitudeOfNaturalOrigin: new Degree(-41.`
	`↪301319638889),`
	`  longitudeOfNaturalOrigin: new Degree(174.`
	`↪77662311111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NZGD49 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(84),`
	`  yAxisTranslation: new Metre(-22),`
	`  zAxisTranslation: new Metre(209)`
	`)`

Nahrwan 1934

`Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1934)`

to Nahrwan 1934 / Iraq zone (Projected)

EPSG	PHPCoord

Name: Iraq zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq zone
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_IRAQ_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9987864078),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(1166200)`
	`)`

to Nahrwan 1934 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Nahrwan 1934 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Nahrwan 1934 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nahrwan 1934 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-242.2),`
	`  yAxisTranslation: new Metre(-144.9),`
	`  zAxisTranslation: new Metre(370.3)`
	`)`

Nahrwan 1967

`Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1967)`

to Nahrwan 1967 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Nahrwan 1967 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nahrwan 1967 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore Gulf coast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-243),`
	`  yAxisTranslation: new Metre(-192),`
	`  zAxisTranslation: new Metre(477)`
	`)`

Name: Nahrwan 1967 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-249),`
	`  yAxisTranslation: new Metre(-156),`
	`  zAxisTranslation: new Metre(381)`
	`)`

Name: Nahrwan 1967 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Abu al Bu Khoosh
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-245),`
	`  yAxisTranslation: new Metre(-153.9),`
	`  zAxisTranslation: new Metre(382.8)`
	`)`

Name: Nahrwan 1967 to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Dubai municipality
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-250.7),`
	`  yAxisTranslation: new Metre(-157.9),`
	`  zAxisTranslation: new Metre(380.4)`
	`)`

Name: Nahrwan 1967 to WGS 84 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Abu Dhabi - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-253.4392),`
	`  yAxisTranslation: new Metre(-148.452),`
	`  zAxisTranslation: new Metre(386.5267),`
	`  xAxisRotation: new ArcSecond(-0.15605),`
	`  yAxisRotation: new ArcSecond(-0.43),`
	`  zAxisRotation: new ArcSecond(0.1013),`
	`  scaleDifference: new PartsPerMillion(-0.0424)`
	`)`

Nakhl-e Ghanem

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAKHL_E_GHANEM)
```

to Nakhl-e Ghanem / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAKHL_`
	`↪E_GHANEM_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nakhl-e Ghanem to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Tombak LNG plant
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(-0.15),`
	`  zAxisTranslation: new Metre(0.68)`
	`)`

Naparima 1955

```
Geographic2D::fromSRID(Geographic2D::EPSG_NAPARIMA_1955)
```

to Naparima 1955 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAPARIMA_1955_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Naparima 1955 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-0.465),`
	`  yAxisTranslation: new Metre(372.095),`
	`  zAxisTranslation: new Metre(171.736)`
	`)`

Naparima 1972

`Geographic2D::fromSRID(Geographic2D::EPSG_NAPARIMA_1972)`

to Naparima 1972 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NAPARIMA_1972_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Naparima 1972 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Tobago - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-2),`
	`  yAxisTranslation: new Metre(374),`
	`  zAxisTranslation: new Metre(172)`
	`)`

Nepal 1981

`Geographic2D::fromSRID(Geographic2D::EPSG_NEPAL_1981)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nepal 1981 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nepal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(293.17),`
	`  yAxisTranslation: new Metre(726.18),`
	`  zAxisTranslation: new Metre(245.36)`
	`)`

New Beijing

`Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING)`

to New Beijing / 3-degree Gauss-Kruger CM 102E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 108E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 114E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 120E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 126E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 132E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 78E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 84E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 90E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 96E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 33 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 34 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 35 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 37 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 38 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 39 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 40 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 41 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 43 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 44 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / 3-degree Gauss-Kruger zone 45 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to New Beijing / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nord Sahara 1959

`Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959)`

to Nord Sahara 1959 / Nord Algerie (Projected)

EPSG	PHPCoord

Name: Nord Algerie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_NORD_ALGERIE),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500135),`
	`  falseNorthing: new Metre(300090)`
	`)`

to Nord Sahara 1959 / Sud Algerie (Projected)

EPSG	PHPCoord

Name: Sud Algerie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - 31°30'N to 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_SUD_ALGERIE),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500135),`
	`  falseNorthing: new Metre(300090)`
	`)`

to Nord Sahara 1959 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Nord Sahara 1959 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Nord Sahara 1959 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NORD_`
	`↪SAHARA_1959_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Nord Sahara 1959 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_NORD_`
	`↪SAHARA_1959_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: Nord Sahara 1959 to RGSH2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - District 3
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-152.9),`
	`  yAxisTranslation: new Metre(43.8),`
	`  zAxisTranslation: new Metre(358.3),`
	`  xAxisRotation: new ArcSecond(2.714),`
	`  yAxisRotation: new ArcSecond(1.386),`
	`  zAxisRotation: new ArcSecond(-2.788),`
	`  scaleDifference: new PartsPerMillion(-6.743)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - In Amenas
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-95.7),`
	`  yAxisTranslation: new Metre(10.2),`
	`  zAxisTranslation: new Metre(158.9)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Hassi Bir Reikaz
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-165.914),`
	`  yAxisTranslation: new Metre(-70.607),`
	`  zAxisTranslation: new Metre(305.009)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Hassi Mouina licence area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-169.559),`
	`  yAxisTranslation: new Metre(-72.34),`
	`  zAxisTranslation: new Metre(303.102)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Ahnet licence area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-168.52),`
	`  yAxisTranslation: new Metre(-72.05),`
	`  zAxisTranslation: new Metre(304.3)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Ain Tsila
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-181.7),`
	`  yAxisTranslation: new Metre(64.7),`
	`  zAxisTranslation: new Metre(247.2)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: Nord Sahara 1959 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Hassi Messaoud
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(-156.5),`
	`  yAxisTranslation: new Metre(-87.2),`
	`  zAxisTranslation: new Metre(285.9)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nord Sahara 1959 to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-267.407),`
	`  yAxisTranslation: new Metre(-47.068),`
	`  zAxisTranslation: new Metre(446.357),`
	`  xAxisRotation: new ArcSecond(-0.179423),`
	`  yAxisRotation: new ArcSecond(5.577661),`
	`  zAxisRotation: new ArcSecond(-1.27762),`
	`  scaleDifference: new PartsPerMillion(1.204866)`
	`)`

Nouakchott 1965

`Geographic2D::fromSRID(Geographic2D::EPSG_NOUAKCHOTT_1965)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nouakchott 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritania - Nouakchutt
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(124.5),`
	`  yAxisTranslation: new Metre(-63.5),`
	`  zAxisTranslation: new Metre(-281)`
	`)`

ONGD14

```
Geographic2D::fromSRID(Geographic2D::EPSG_ONGD14)
```

to ONGD14 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ONGD14)`
	`)`

to ONGD14 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ONGD14 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ONGD14 / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ONGD14_`
	`↪UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD17

`Geographic2D::fromSRID(Geographic2D::EPSG_ONGD17)`

to ONGD17 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ONGD17)`
	`)`

to ONGD17 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ONGD17_`
	`↪UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ONGD17 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to ONGD17 / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

OSGB36

`Geographic2D::fromSRID(Geographic2D::EPSG_OSGB36)`

to OSGB36 / British National Grid (Projected)

EPSG	PHPCoord

Name: British National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(49),`
	`  longitudeOfNaturalOrigin: new Degree(-2),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996012717),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(-100000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: OSGB36 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain onshore and nearshore; Isle of Man
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(446.448),`
	`  yAxisTranslation: new Metre(-125.157),`
	`  zAxisTranslation: new Metre(542.06),`
	`  xAxisRotation: new ArcSecond(0.15),`
	`  yAxisRotation: new ArcSecond(0.247),`
	`  zAxisRotation: new ArcSecond(0.842),`
	`  scaleDifference: new PartsPerMillion(-20.489)`
	`)`

OSNI 1952

`Geographic2D::fromSRID(Geographic2D::EPSG_OSNI_1952)`

to OSNI 1952 / Irish National Grid (Projected)

EPSG	PHPCoord

Name: Irish National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OSNI_`
	`↪1952_IRISH_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(250000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: OSNI 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(482.5),`
	`  yAxisTranslation: new Metre(-130.6),`
	`  zAxisTranslation: new Metre(564.6),`
	`  xAxisRotation: new ArcSecond(-1.042),`
	`  yAxisRotation: new ArcSecond(-0.214),`
	`  zAxisRotation: new ArcSecond(-0.631),`
	`  scaleDifference: new PartsPerMillion(8.15)`
	`)`

Observatario

`Geographic2D::fromSRID(Geographic2D::EPSG_OBSERVATARIO)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Observatario to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - south
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-132),`
	`  yAxisTranslation: new Metre(-110),`
	`  zAxisTranslation: new Metre(-335)`
	`)`

Ocotepeque 1935

`Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935)`

to CR05 (Geographic2D)

EPSG	PHPCoord

Name: Ocotepeque 1935 to CR05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR05),`
	`  xAxisTranslation: new Metre(213.11),`
	`  yAxisTranslation: new Metre(9.37),`
	`  zAxisTranslation: new Metre(-74.95)`
	`)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Ocotepeque 1935 to NAD27 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Central America - Guatemala to Costa Rica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  xAxisTranslation: new Metre(205.435),`
	`  yAxisTranslation: new Metre(-29.099),`
	`  zAxisTranslation: new Metre(-292.202)`
	`)`

to Ocotepeque 1935 / Costa Rica Norte (Projected)

EPSG	PHPCoord

Name: Costa Rica Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore north of 9°32'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_NORTE),`
	`  latitudeOfNaturalOrigin: new Degree(10.466666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-84.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995696),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(271820.522)`
	`)`

to Ocotepeque 1935 / Costa Rica Sur (Projected)

EPSG	PHPCoord

Name: Costa Rica Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore south of 9°56'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_SUR),`
	`  latitudeOfNaturalOrigin: new Degree(9),`
	`  longitudeOfNaturalOrigin: new Degree(-83.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995696),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(327987.436)`
	`)`

to Ocotepeque 1935 / El Salvador Lambert (Projected)

EPSG	PHPCoord

Name: El Salvador Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: El Salvador - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪OCOTEPEQUE_1935_EL_SALVADOR_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(13.`
	`↪783333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-89),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99996704),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(295809.184)`
	`)`

to Ocotepeque 1935 / Guatemala Norte (Projected)

EPSG	PHPCoord

Name: Guatemala Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guatemala - north of 15°51'30N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪OCOTEPEQUE_1935_GUATEMALA_NORTE),`
	`  latitudeOfNaturalOrigin: new Degree(16.`
	`↪816666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.`
	`↪333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99992226),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(292209.579)`
	`)`

to Ocotepeque 1935 / Guatemala Sur (Projected)

EPSG	PHPCoord

Name: Guatemala Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guatemala - south of 15°51'30N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_SUR),`
	`  latitudeOfNaturalOrigin: new Degree(14.9),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99989906),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(325992.681)`
	`)`

to Ocotepeque 1935 / Nicaragua Norte (Projected)

EPSG	PHPCoord

Name: Nicaragua Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nicaragua - onshore north of 12°48'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_NORTE),`
	`  latitudeOfNaturalOrigin: new Degree(13.866666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99990314),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(359891.816)`
	`)`

to Ocotepeque 1935 / Nicaragua Sur (Projected)

EPSG	PHPCoord

Name: Nicaragua Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nicaragua - onshore south of 12°48'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_SUR),`
	`  latitudeOfNaturalOrigin: new Degree(11.733333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99992228),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(288876.327)`
	`)`

Old Hawaiian

`Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Old Hawaiian to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeDifferenceFile: NADCON5OHDNAD831986HawaiiLatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5OHDNAD831986HawaiiLongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to Old Hawaiian / Hawaii zone 1 (Projected)

EPSG	PHPCoord

Name: Hawaii CS27 zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to Old Hawaiian / Hawaii zone 2 (Projected)

EPSG	PHPCoord

Name: Hawaii CS27 zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to Old Hawaiian / Hawaii zone 3 (Projected)

EPSG	PHPCoord

Name: Hawaii CS27 zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to Old Hawaiian / Hawaii zone 4 (Projected)

EPSG	PHPCoord

Name: Hawaii CS27 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to Old Hawaiian / Hawaii zone 5 (Projected)

EPSG	PHPCoord

Name: Hawaii CS27 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Old Hawaiian to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(61),`
	`  yAxisTranslation: new Metre(-285),`
	`  zAxisTranslation: new Metre(-181)`
	`)`

Name: Old Hawaiian to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(89),`
	`  yAxisTranslation: new Metre(-279),`
	`  zAxisTranslation: new Metre(-183)`
	`)`

Name: Old Hawaiian to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(45),`
	`  yAxisTranslation: new Metre(-290),`
	`  zAxisTranslation: new Metre(-172)`
	`)`

Name: Old Hawaiian to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(65),`
	`  yAxisTranslation: new Metre(-290),`
	`  zAxisTranslation: new Metre(-190)`
	`)`

Name: Old Hawaiian to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(58),`
	`  yAxisTranslation: new Metre(-283),`
	`  zAxisTranslation: new Metre(-182)`
	`)`

Ostenfeld-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_OSTENFELD_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to Ostenfeld-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - northern Schleswig
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: ETRS89OstenfeldIRFProvider->provideGrid()`
	`)`

to Ostenfeld reconstruction (Projected)

EPSG	PHPCoord

Name: Ostenfeld-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - northern Schleswig
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OSTENFELD_RECONSTRUCTION),`
	`  latitudeOfNaturalOrigin: new Degree(54.4685),`
	`  longitudeOfNaturalOrigin: new Degree(9.233),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

OxWo08-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_OXWO08_IRF)`

to OxWo08 Grid (Projected)

EPSG	PHPCoord

Name: OxWo08-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Oxford to Worcester
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_OXWO08_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(51.95),`
	`  longitudeOfNaturalOrigin: new Degree(-1.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(134791.6965),`
	`  falseNorthing: new Metre(121872.5056)`
	`)`

PD/83

`Geographic2D::fromSRID(Geographic2D::EPSG_PD_83)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: PD/83 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Thuringen
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(599.4),`
	`  yAxisTranslation: new Metre(72.4),`
	`  zAxisTranslation: new Metre(419.2),`
	`  xAxisRotation: new ArcSecond(-0.062),`
	`  yAxisRotation: new ArcSecond(-0.022),`
	`  zAxisRotation: new ArcSecond(-2.723),`
	`  scaleDifference: new PartsPerMillion(6.46)`
	`)`

to PD/83 / 3-degree Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PD/83 / 3-degree Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PD/83 / 3-degree Gauss-Kruger zone 4 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PD/83 / 3-degree Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PN68

`Geographic2D::fromSRID(Geographic2D::EPSG_PN68)`

to PN68 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PN68_`
	`↪UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PN68 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PN68_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PN68 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-307),`
	`  yAxisTranslation: new Metre(-92),`
	`  zAxisTranslation: new Metre(127)`
	`)`

PN84

`Geographic2D::fromSRID(Geographic2D::EPSG_PN84)`

to PN84 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PN84_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PN84 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PN84_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PN84 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands western
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-307),`
	`  yAxisTranslation: new Metre(-92),`
	`  zAxisTranslation: new Metre(127)`
	`)`

PNG94

`Geographic2D::fromSRID(Geographic2D::EPSG_PNG94)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to PNG94 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - mainland onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(0.41),`
	`  yAxisTranslation: new Metre(2.37),`
	`  zAxisTranslation: new Metre(-2),`
	`  xAxisRotation: new ArcSecond(-3.592),`
	`  yAxisRotation: new ArcSecond(-3.698),`
	`  zAxisRotation: new ArcSecond(-3.989),`
	`  scaleDifference: new PartsPerMillion(-8.843)`
	`)`

Name: AGD66 to PNG94 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - PFTB
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(131.876),`
	`  yAxisTranslation: new Metre(54.554),`
	`  zAxisTranslation: new Metre(-453.346),`
	`  xAxisRotation: new ArcSecond(5.2155),`
	`  yAxisRotation: new ArcSecond(8.2042),`
	`  zAxisRotation: new ArcSecond(-0.09),`
	`  scaleDifference: new PartsPerMillion(-5.02)`
	`)`

Name: AGD66 to PNG94 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - North Fly
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(-45.928),`
	`  yAxisTranslation: new Metre(177.212),`
	`  zAxisTranslation: new Metre(-336.867),`
	`  xAxisRotation: new ArcSecond(4.6039),`
	`  yAxisRotation: new ArcSecond(3.0921),`
	`  zAxisRotation: new ArcSecond(-0.5729),`
	`  scaleDifference: new PartsPerMillion(-36.796)`
	`)`

to PNG94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PNG94)`
	`)`

to PNG94 / PNGMG94 zone 54 (Projected)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - west of 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PNG94 / PNGMG94 zone 55 (Projected)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PNG94 / PNGMG94 zone 56 (Projected)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PNG94 / PNGMG94 zone 57 (Projected)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PNG94 / PNGMG94 zone 58 (Projected)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - east of 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PNG94 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

POSGAR 2007

`Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Campo Inchauspe to POSGAR 2007 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  xAxisTranslation: new Metre(148),`
	`  yAxisTranslation: new Metre(-136),`
	`  zAxisTranslation: new Metre(-90)`
	`)`

to POSGAR 2007 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_2007)`
	`)`

to POSGAR 2007 / Argentina 1 (Projected)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_1),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / Argentina 3 (Projected)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_3),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / Argentina 4 (Projected)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_4),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / Argentina 5 (Projected)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_5),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / Argentina 6 (Projected)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_6),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / Argentina 7 (Projected)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_7),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 2007 / CABA 2019 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CABA 2019
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Buenos Aires city
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_CABA_2019),`
	`  latitudeOfNaturalOrigin: new Degree(-34.629266666667),`
	`  longitudeOfNaturalOrigin: new Degree(-58.463308333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(70000)`
	`)`

to POSGAR 2007 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_2007_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 2007 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 2007 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-0.41),`
	`  yAxisTranslation: new Metre(0.46),`
	`  zAxisTranslation: new Metre(-0.35)`
	`)`

POSGAR 94

`Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_94)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Campo Inchauspe to POSGAR 94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  xAxisTranslation: new Metre(148),`
	`  yAxisTranslation: new Metre(-136),`
	`  zAxisTranslation: new Metre(-90)`
	`)`

to POSGAR 94 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_94)`
	`)`

to POSGAR 94 / Argentina 1 (Projected)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_1),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 94 / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 94 / Argentina 3 (Projected)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_3),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 94 / Argentina 4 (Projected)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_4),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 94 / Argentina 5 (Projected)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_5),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 94 / Argentina 6 (Projected)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_`
	`↪94_ARGENTINA_6),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 94 / Argentina 7 (Projected)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_`
	`↪94_ARGENTINA_7),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 94 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

POSGAR 98

`Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_98)`

to POSGAR 98 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_98)`
	`)`

to POSGAR 98 / Argentina 1 (Projected)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_1),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 98 / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 98 / Argentina 3 (Projected)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_3),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 98 / Argentina 4 (Projected)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_4),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 98 / Argentina 5 (Projected)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_5),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 98 / Argentina 6 (Projected)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_6),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to POSGAR 98 / Argentina 7 (Projected)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_7),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 98 to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 98 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

PRS92

`Geographic2D::fromSRID(Geographic2D::EPSG_PRS92)`

to PRS92 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PRS92)`
	`)`

to PRS92 / Philippines zone 1 (Projected)

EPSG	PHPCoord

Name: Philippines zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone I
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PRS92_`
	`↪PHILIPPINES_ZONE_1),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PRS92 / Philippines zone 2 (Projected)

EPSG	PHPCoord

Name: Philippines zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone II
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PRS92 / Philippines zone 3 (Projected)

EPSG	PHPCoord

Name: Philippines zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone III
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PRS92 / Philippines zone 4 (Projected)

EPSG	PHPCoord

Name: Philippines zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone IV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PRS92 / Philippines zone 5 (Projected)

EPSG	PHPCoord

Name: Philippines zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PRS92 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-127.62),`
	`  yAxisTranslation: new Metre(-67.24),`
	`  zAxisTranslation: new Metre(-47.04),`
	`  xAxisRotation: new ArcSecond(3.068),`
	`  yAxisRotation: new ArcSecond(-4.903),`
	`  zAxisRotation: new ArcSecond(-1.578),`
	`  scaleDifference: new PartsPerMillion(-1.06)`
	`)`

PSAD56

`Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56)`

to La Canoa (Geographic2D)

EPSG	PHPCoord

Name: La Canoa to PSAD56 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to PSAD56 / ICN Regional (Projected)

EPSG	PHPCoord

Name: ICN Regional
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_ICN_REGIONAL),`
	`  latitudeOfFalseOrigin: new Degree(6),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(9),`
	`  latitudeOf2ndStandardParallel: new Degree(3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to PSAD56 / Peru central zone (Projected)

EPSG	PHPCoord

Name: Peru central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru - 79°W to 73°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_PERU_CENTRAL_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(-9.5),`
	`  longitudeOfNaturalOrigin: new Degree(-76),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99932994),`
	`  falseEasting: new Metre(720000),`
	`  falseNorthing: new Metre(1039979.159)`
	`)`

to PSAD56 / Peru east zone (Projected)

EPSG	PHPCoord

Name: Peru east zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru - east of 73°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_PERU_EAST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(-9.5),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99952992),`
	`  falseEasting: new Metre(1324000),`
	`  falseNorthing: new Metre(1040084.558)`
	`)`

to PSAD56 / Peru west zone (Projected)

EPSG	PHPCoord

Name: Peru west zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru - west of 79°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_PERU_WEST_ZONE),`
	`  latitudeOfNaturalOrigin: new Degree(-6),`
	`  longitudeOfNaturalOrigin: new Degree(-80.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99983008),`
	`  falseEasting: new Metre(222000),`
	`  falseNorthing: new Metre(1426834.743)`
	`)`

to PSAD56 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSAD56 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PSAD56 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSAD56 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PSAD56 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSAD56 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PSAD56 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSAD56 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PSAD56 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSAD56 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to PSAD56 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to REGVEN (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN),`
	`  xAxisTranslation: new Metre(-270.933),`
	`  yAxisTranslation: new Metre(115.599),`
	`  zAxisTranslation: new Metre(-360.226),`
	`  xAxisRotation: new ArcSecond(-5.266),`
	`  yAxisRotation: new ArcSecond(-1.238),`
	`  zAxisRotation: new ArcSecond(2.381),`
	`  scaleDifference: new PartsPerMillion(-5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.81)`
	`)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ecuador - mainland onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  xAxisTranslation: new Metre(-60.31),`
	`  yAxisTranslation: new Metre(245.935),`
	`  zAxisTranslation: new Metre(31.008),`
	`  xAxisRotation: new ArcSecond(-12.324),`
	`  yAxisRotation: new ArcSecond(-3.755),`
	`  zAxisRotation: new ArcSecond(7.37),`
	`  scaleDifference: new PartsPerMillion(0.447)`
	`)`

to SIRGAS-Chile 2002 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2002 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-302),`
	`  yAxisTranslation: new Metre(272),`
	`  zAxisTranslation: new Metre(-360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2002 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-328),`
	`  yAxisTranslation: new Metre(340),`
	`  zAxisTranslation: new Metre(-329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2002 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-352),`
	`  yAxisTranslation: new Metre(403),`
	`  zAxisTranslation: new Metre(-287)`
	`)`

to SIRGAS-Chile 2010 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2010 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2010),`
	`  xAxisTranslation: new Metre(-302),`
	`  yAxisTranslation: new Metre(272),`
	`  zAxisTranslation: new Metre(-360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2010 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2010),`
	`  xAxisTranslation: new Metre(-328),`
	`  yAxisTranslation: new Metre(340),`
	`  zAxisTranslation: new Metre(-329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2010 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2010),`
	`  xAxisTranslation: new Metre(-352),`
	`  yAxisTranslation: new Metre(403),`
	`  zAxisTranslation: new Metre(-287)`
	`)`

to SIRGAS-Chile 2013 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2013 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2013),`
	`  xAxisTranslation: new Metre(-302),`
	`  yAxisTranslation: new Metre(272),`
	`  zAxisTranslation: new Metre(-360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2013 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2013),`
	`  xAxisTranslation: new Metre(-328),`
	`  yAxisTranslation: new Metre(340),`
	`  zAxisTranslation: new Metre(-329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2013 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2013),`
	`  xAxisTranslation: new Metre(-352),`
	`  yAxisTranslation: new Metre(403),`
	`  zAxisTranslation: new Metre(-287)`
	`)`

to SIRGAS-Chile 2016 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2016 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2016),`
	`  xAxisTranslation: new Metre(-302),`
	`  yAxisTranslation: new Metre(272),`
	`  zAxisTranslation: new Metre(-360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2016 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2016),`
	`  xAxisTranslation: new Metre(-328),`
	`  yAxisTranslation: new Metre(340),`
	`  zAxisTranslation: new Metre(-329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2016 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2016),`
	`  xAxisTranslation: new Metre(-352),`
	`  yAxisTranslation: new Metre(403),`
	`  zAxisTranslation: new Metre(-287)`
	`)`

to SIRGAS-Chile 2021 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2021 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2021),`
	`  xAxisTranslation: new Metre(-302),`
	`  yAxisTranslation: new Metre(272),`
	`  zAxisTranslation: new Metre(-360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2021 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2021),`
	`  xAxisTranslation: new Metre(-328),`
	`  yAxisTranslation: new Metre(340),`
	`  zAxisTranslation: new Metre(-329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2021 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2021),`
	`  xAxisTranslation: new Metre(-352),`
	`  yAxisTranslation: new Metre(403),`
	`  zAxisTranslation: new Metre(-287)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to WGS 84 (13)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-270.933),`
	`  yAxisTranslation: new Metre(115.599),`
	`  zAxisTranslation: new Metre(-360.226),`
	`  xAxisRotation: new ArcSecond(-5.266),`
	`  yAxisRotation: new ArcSecond(-1.238),`
	`  zAxisRotation: new ArcSecond(2.381),`
	`  scaleDifference: new PartsPerMillion(-5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.`
	`↪59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.`
	`↪61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.`
	`↪81)`
	`)`

Name: PSAD56 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - Bolivia; Chile; Ecuador; Guyana; Peru; Venezuela
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-288),`
	`  yAxisTranslation: new Metre(175),`
	`  zAxisTranslation: new Metre(-376)`
	`)`

Name: PSAD56 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bolivia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-270),`
	`  yAxisTranslation: new Metre(188),`
	`  zAxisTranslation: new Metre(-388)`
	`)`

Name: PSAD56 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-282),`
	`  yAxisTranslation: new Metre(169),`
	`  zAxisTranslation: new Metre(-371)`
	`)`

Name: PSAD56 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ecuador - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-278),`
	`  yAxisTranslation: new Metre(171),`
	`  zAxisTranslation: new Metre(-367)`
	`)`

PSD93

`Geographic2D::fromSRID(Geographic2D::EPSG_PSD93)`

to PSD93 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PSD93 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: PSD93 to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  xAxisTranslation: new Metre(-182.046),`
	`  yAxisTranslation: new Metre(-225.604),`
	`  zAxisTranslation: new Metre(168.884),`
	`  xAxisRotation: new ArcSecond(-0.616),`
	`  yAxisRotation: new ArcSecond(-1.655),`
	`  zAxisRotation: new ArcSecond(7.824),`
	`  scaleDifference: new PartsPerMillion(16.641)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PSD93 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-180.624),`
	`  yAxisTranslation: new Metre(-225.516),`
	`  zAxisTranslation: new Metre(173.919),`
	`  xAxisRotation: new ArcSecond(-0.81),`
	`  yAxisRotation: new ArcSecond(-1.898),`
	`  zAxisRotation: new ArcSecond(8.336),`
	`  scaleDifference: new PartsPerMillion(16.71006)`
	`)`

Name: PSD93 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - block 4
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-191.808),`
	`  yAxisTranslation: new Metre(-250.512),`
	`  zAxisTranslation: new Metre(167.861),`
	`  xAxisRotation: new ArcSecond(-0.792),`
	`  yAxisRotation: new ArcSecond(-1.653),`
	`  zAxisRotation: new ArcSecond(8.558),`
	`  scaleDifference: new PartsPerMillion(20.703)`
	`)`

PTRA08

`Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08)`

to Azores Central 1995 (Geographic2D)

EPSG	PHPCoord

Name: Azores Central 1995 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Faial onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1995),`
	`  xAxisTranslation: new Metre(105.377),`
	`  yAxisTranslation: new Metre(-165.769),`
	`  zAxisTranslation: new Metre(36.965)`
	`)`

Name: Azores Central 1995 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Graciosa onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1995),`
	`  xAxisTranslation: new Metre(105.359),`
	`  yAxisTranslation: new Metre(-165.804),`
	`  zAxisTranslation: new Metre(37.05)`
	`)`

Name: Azores Central 1995 to PTRA08 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Pico onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1995),`
	`  xAxisTranslation: new Metre(105.531),`
	`  yAxisTranslation: new Metre(-166.39),`
	`  zAxisTranslation: new Metre(37.326)`
	`)`

Name: Azores Central 1995 to PTRA08 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - S Jorge onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1995),`
	`  xAxisTranslation: new Metre(105.756),`
	`  yAxisTranslation: new Metre(-165.972),`
	`  zAxisTranslation: new Metre(37.313)`
	`)`

Name: Azores Central 1995 to PTRA08 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Terceira onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1995),`
	`  xAxisTranslation: new Metre(106.235),`
	`  yAxisTranslation: new Metre(-166.236),`
	`  zAxisTranslation: new Metre(37.768)`
	`)`

to Azores Occidental 1939 (Geographic2D)

EPSG	PHPCoord

Name: Azores Occidental 1939 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores W - Flores onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_OCCIDENTAL_1939),`
	`  xAxisTranslation: new Metre(423.053),`
	`  yAxisTranslation: new Metre(172.871),`
	`  zAxisTranslation: new Metre(-83.771)`
	`)`

Name: Azores Occidental 1939 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores W - Corvo onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_OCCIDENTAL_1939),`
	`  xAxisTranslation: new Metre(423.024),`
	`  yAxisTranslation: new Metre(172.923),`
	`  zAxisTranslation: new Metre(-83.83)`
	`)`

to Azores Oriental 1995 (Geographic2D)

EPSG	PHPCoord

Name: Azores Oriental 1995 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - S Miguel onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_ORIENTAL_1995),`
	`  xAxisTranslation: new Metre(204.519),`
	`  yAxisTranslation: new Metre(-140.159),`
	`  zAxisTranslation: new Metre(-55.404)`
	`)`

Name: Azores Oriental 1995 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - Santa Maria onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_ORIENTAL_1995),`
	`  xAxisTranslation: new Metre(205.808),`
	`  yAxisTranslation: new Metre(-140.771),`
	`  zAxisTranslation: new Metre(-54.326)`
	`)`

to PTRA08 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PTRA08)`
	`)`

to PTRA08 / LAEA Europe (Projected)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_PTRA08_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

to PTRA08 / LCC Europe (Projected)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_PTRA08_LCC_EUROPE),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

to PTRA08 / UTM zone 25N (Projected)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_25N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PTRA08 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to PTRA08 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Porto Santo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Porto Santo 1995 to PTRA08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira archipelago onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO_1995),`
	`  xAxisTranslation: new Metre(503.229),`
	`  yAxisTranslation: new Metre(247.375),`
	`  zAxisTranslation: new Metre(-312.582)`
	`)`

Name: Porto Santo 1995 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira island onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO_1995),`
	`  xAxisTranslation: new Metre(303.956),`
	`  yAxisTranslation: new Metre(-224.556),`
	`  zAxisTranslation: new Metre(-214.306),`
	`  xAxisRotation: new ArcSecond(-9.405),`
	`  yAxisRotation: new ArcSecond(6.626),`
	`  zAxisRotation: new ArcSecond(12.583),`
	`  scaleDifference: new PartsPerMillion(-1.327)`
	`)`

Name: Porto Santo 1995 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Porto Santo island onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO_1995),`
	`  xAxisTranslation: new Metre(503.3),`
	`  yAxisTranslation: new Metre(247.574),`
	`  zAxisTranslation: new Metre(-313.025)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PTRA08 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores and Madeira
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

PZ-90

`Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90)`

to PZ-90 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90)`
	`)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to PZ-90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-25),`
	`  yAxisTranslation: new Metre(141),`
	`  zAxisTranslation: new Metre(80),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(0.35),`
	`  zAxisRotation: new ArcSecond(0.66),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1995 to PZ-90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  xAxisTranslation: new Metre(-25.9),`
	`  yAxisTranslation: new Metre(130.94),`
	`  zAxisTranslation: new Metre(81.76)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: PZ-90 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(1.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.076),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

Name: PZ-90 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-1.08),`
	`  yAxisTranslation: new Metre(-0.27),`
	`  zAxisTranslation: new Metre(-0.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.16),`
	`  scaleDifference: new PartsPerMillion(-0.12)`
	`)`

PZ-90.02

`Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90_02)`

to PZ-90.02 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪PZ_90_02)`
	`)`

PZ-90.11

```
Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90_11)
```

to PZ-90.11 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90_11)`
	`)`

Palestine 1923

```
Geographic2D::fromSRID(Geographic2D::EPSG_PALESTINE_1923)
```

to Israel 1993 (Geographic2D)

EPSG	PHPCoord

Name: Palestine 1923 to Israel 1993 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISRAEL_1993),`
	`  xAxisTranslation: new Metre(-181),`
	`  yAxisTranslation: new Metre(-122),`
	`  zAxisTranslation: new Metre(225)`
	`)`

to Palestine 1923 / Israeli CS Grid (Projected)

EPSG	PHPCoord

Name: Israeli CS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_PALESTINE_1923_ISRAELI_CS_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(1126867.909)`
	`)`

to Palestine 1923 / Palestine Belt (Projected)

EPSG	PHPCoord

Name: Palestine Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel, Jordan and Palestine onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(1126867.909)`
	`)`

to Palestine 1923 / Palestine Grid (Projected)

EPSG	PHPCoord

Name: Palestine Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel, Jordan and Palestine onshore
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(126867.909)`
	`)`

to Palestine 1923 / Palestine Grid modified (Projected)

EPSG	PHPCoord

Name: Palestine Grid modified
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel, Jordan and Palestine onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID_MODIFIED),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(126867.909)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Palestine 1923 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-275.7224),`
	`  yAxisTranslation: new Metre(94.7824),`
	`  zAxisTranslation: new Metre(340.8944),`
	`  xAxisRotation: new ArcSecond(-8.001),`
	`  yAxisRotation: new ArcSecond(-4.42),`
	`  zAxisRotation: new ArcSecond(-11.821),`
	`  scaleDifference: new PartsPerMillion(1)`
	`)`

Pampa del Castillo

`Geographic2D::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO)`

to Pampa del Castillo / Argentina 1 (Projected)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_1),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pampa del Castillo / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pampa del Castillo / Argentina 3 (Projected)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_3),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pampa del Castillo to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 44°S to 47.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-233.43),`
	`  yAxisTranslation: new Metre(6.65),`
	`  zAxisTranslation: new Metre(173.64)`
	`)`

Panama-Colon 1911

`Geographic2D::fromSRID(Geographic2D::EPSG_PANAMA_COLON_1911)`

to Panama-Colon 1911 / Panama Lambert (Projected)

EPSG	PHPCoord

Name: Panama Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Panama - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_LAMBERT),`
	`  latitudeOfNaturalOrigin: new Degree(8.4166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99989909),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(294865.303)`
	`)`

to Panama-Colon 1911 / Panama Polyconic (Projected)

EPSG	PHPCoord

Name: Panama Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Panama - onshore
	`$point->americanPolyconic(`
	`  to: Projected::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_POLYCONIC),`
	`  latitudeOfNaturalOrigin: new Degree(8.25),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  falseEasting: new ClarkeYard(1000000),`
	`  falseNorthing: new ClarkeYard(1092972.1)`
	`)`

Perroud 1950

`Geographic2D::fromSRID(Geographic2D::EPSG_PERROUD_1950)`

to Perroud 1950 / Terre Adelie Polar Stereographic (Projected)

EPSG	PHPCoord

Name: Terre Adelie Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land coastal area
	`$point->polarStereographicVariantC(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PERROUD_1950_TERRE_ADELIE_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(-67),`
	`  longitudeOfOrigin: new Degree(140),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: Perroud 1950 to RGTAAF07 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land - Petrels island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGTAAF07),`
	`  xAxisTranslation: new Metre(324.912),`
	`  yAxisTranslation: new Metre(153.282),`
	`  zAxisTranslation: new Metre(172.026)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Perroud 1950 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(325),`
	`  yAxisTranslation: new Metre(154),`
	`  zAxisTranslation: new Metre(172)`
	`)`

Peru96

`Geographic2D::fromSRID(Geographic2D::EPSG_PERU96)`

to Peru96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_PERU96)`
	`)`

to Peru96 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Peru96 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Peru96 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Peru96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Petrels 1972

`Geographic2D::fromSRID(Geographic2D::EPSG_PETRELS_1972)`

to Petrels 1972 / Terre Adelie Polar Stereographic (Projected)

EPSG	PHPCoord

Name: Terre Adelie Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land coastal area
	`$point->polarStereographicVariantC(`
	`  to: Projected::fromSRID(Projected::EPSG_PETRELS_1972_TERRE_ADELIE_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(-67),`
	`  longitudeOfOrigin: new Degree(140),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Petrels 1972 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land - Petrels island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(365),`
	`  yAxisTranslation: new Metre(194),`
	`  zAxisTranslation: new Metre(166)`
	`)`

Phoenix Islands 1966

`Geographic2D::fromSRID(Geographic2D::EPSG_PHOENIX_ISLANDS_1966)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Phoenix Islands 1966 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kiribati - Phoenix Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(298),`
	`  yAxisTranslation: new Metre(-304),`
	`  zAxisTranslation: new Metre(-375)`
	`)`

Pitcairn 1967

`Geographic2D::fromSRID(Geographic2D::EPSG_PITCAIRN_1967)`

to Pitcairn 1967 / UTM zone 9S (Projected)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PITCAIRN_1967_UTM_ZONE_9S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pitcairn 1967 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pitcairn - Pitcairn Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(185),`
	`  yAxisTranslation: new Metre(165),`
	`  zAxisTranslation: new Metre(42)`
	`)`

Pitcairn 2006

`Geographic2D::fromSRID(Geographic2D::EPSG_PITCAIRN_2006)`

to Pitcairn 2006 / Pitcairn TM 2006 (Projected)

EPSG	PHPCoord

Name: Pitcairn TM 2006
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pitcairn - Pitcairn Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PITCAIRN_2006_PITCAIRN_TM_2006),`
	`  latitudeOfNaturalOrigin: new Degree(-25.068552611111),`
	`  longitudeOfNaturalOrigin: new Degree(-130.11296711111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14200),`
	`  falseNorthing: new Metre(15500)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pitcairn 2006 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pitcairn - Pitcairn Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Point 58

`Geographic2D::fromSRID(Geographic2D::EPSG_POINT_58)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Point 58 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Burkina Faso and SW Niger
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-106),`
	`  yAxisTranslation: new Metre(-129),`
	`  zAxisTranslation: new Metre(165)`
	`)`

Pointe Noire

`Geographic2D::fromSRID(Geographic2D::EPSG_POINTE_NOIRE)`

to Pointe Noire / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_POINTE_`
	`↪NOIRE_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pointe Noire to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-148),`
	`  yAxisTranslation: new Metre(51),`
	`  zAxisTranslation: new Metre(-291)`
	`)`

Name: Pointe Noire to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo - coastal area and offshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-178.3),`
	`  yAxisTranslation: new Metre(-316.7),`
	`  zAxisTranslation: new Metre(-131.5),`
	`  xAxisRotation: new ArcSecond(5.278),`
	`  yAxisRotation: new ArcSecond(6.077),`
	`  zAxisRotation: new ArcSecond(10.979),`
	`  scaleDifference: new PartsPerMillion(19.166)`
	`)`

Porto Santo

```
Geographic2D::fromSRID(Geographic2D::EPSG_PORTO_SANTO)
```

to Porto Santo / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PORTO_SANTO_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Porto Santo to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira archipelago onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-499),`
	`  yAxisTranslation: new Metre(-249),`
	`  zAxisTranslation: new Metre(314)`
	`)`

Porto Santo 1995

```
Geographic2D::fromSRID(Geographic2D::EPSG_PORTO_SANTO_1995)
```

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: Porto Santo 1995 to PTRA08 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira archipelago onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  xAxisTranslation: new Metre(-503.229),`
	`  yAxisTranslation: new Metre(-247.375),`
	`  zAxisTranslation: new Metre(312.582)`
	`)`

Name: Porto Santo 1995 to PTRA08 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira island onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  xAxisTranslation: new Metre(-303.956),`
	`  yAxisTranslation: new Metre(224.556),`
	`  zAxisTranslation: new Metre(214.306),`
	`  xAxisRotation: new ArcSecond(9.405),`
	`  yAxisRotation: new ArcSecond(-6.626),`
	`  zAxisRotation: new ArcSecond(-12.583),`
	`  scaleDifference: new PartsPerMillion(1.327)`
	`)`

Name: Porto Santo 1995 to PTRA08 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Porto Santo island onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  xAxisTranslation: new Metre(-503.3),`
	`  yAxisTranslation: new Metre(-247.574),`
	`  zAxisTranslation: new Metre(313.025)`
	`)`

to Porto Santo 1995 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PORTO_SANTO_1995_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Porto Santo 1995 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira and Porto Santo islands onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-502.862),`
	`  yAxisTranslation: new Metre(-247.438),`
	`  zAxisTranslation: new Metre(312.724)`
	`)`

Name: Porto Santo 1995 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira and Porto Santo islands onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-210.502),`
	`  yAxisTranslation: new Metre(-66.902),`
	`  zAxisTranslation: new Metre(-48.476),`
	`  xAxisRotation: new ArcSecond(-2.094),`
	`  yAxisRotation: new ArcSecond(15.067),`
	`  zAxisRotation: new ArcSecond(5.817),`
	`  scaleDifference: new PartsPerMillion(0.485)`
	`)`

Puerto Rico

`Geographic2D::fromSRID(Geographic2D::EPSG_PUERTO_RICO)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Puerto Rico to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5PR40NAD831986PRVILatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5PR40NAD831986PRVILongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

to Puerto Rico / St. Croix (Projected)

EPSG	PHPCoord

Name: St. Croix CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Virgin Islands, US - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_PUERTO_RICO_ST_CROIX),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(500000),`
	`  northingAtFalseOrigin: new USSurveyFoot(100000)`
	`)`

to Puerto Rico / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PUERTO_RICO_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Puerto Rico State Plane CS of 1927 (Projected)

EPSG	PHPCoord

Name: Puerto Rico CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Puerto Rico - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_PUERTO_RICO_STATE_PLANE_CS_OF_1927),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(500000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Puerto Rico to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and Virgin Islands - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(11),`
	`  yAxisTranslation: new Metre(72),`
	`  zAxisTranslation: new Metre(-101)`
	`)`

Pulkovo 1942

`Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942)`

to EST92 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to EST92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EST92),`
	`  xAxisTranslation: new Metre(21.53219),`
	`  yAxisTranslation: new Metre(-97.00027),`
	`  zAxisTranslation: new Metre(-60.74046),`
	`  xAxisRotation: new ArcSecond(-0.99548),`
	`  yAxisRotation: new ArcSecond(-0.58147),`
	`  zAxisRotation: new ArcSecond(-0.2418),`
	`  scaleDifference: new PartsPerMillion(-4.5981)`
	`)`

to LKS94 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to LKS94 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS94),`
	`  xAxisTranslation: new Metre(-40.595),`
	`  yAxisTranslation: new Metre(-18.55),`
	`  zAxisTranslation: new Metre(-69.339),`
	`  xAxisRotation: new ArcSecond(-2.508),`
	`  yAxisRotation: new ArcSecond(-1.832),`
	`  zAxisRotation: new ArcSecond(2.611),`
	`  scaleDifference: new PartsPerMillion(-4.299)`
	`)`

to PZ-90 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to PZ-90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PZ_90),`
	`  xAxisTranslation: new Metre(25),`
	`  yAxisTranslation: new Metre(-141),`
	`  zAxisTranslation: new Metre(-80),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(-0.35),`
	`  zAxisRotation: new ArcSecond(-0.66),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 102E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 108E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 114E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 120E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 126E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 132E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 138E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 138E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_138E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 141E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_141E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 144E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 144E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_144E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 147E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_147E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 150E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 150E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_150E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 153E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_153E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 156E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 156E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_156E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 159E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_159E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 162E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 162E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_162E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 165E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_165E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 168E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_168E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 168W (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_168W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 171E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_171E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 171W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_171W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 174E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_174E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 174W (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_174W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 177E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_177E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 177W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_177W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 180E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 180E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_180E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 21E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 24E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 24E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_24E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 27E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 30E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_30E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 33E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 36E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_36E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 39E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 42E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_42E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 45E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_45E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 48E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 48E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_48E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 51E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_51E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 54E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 54E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_54E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 57E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_57E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 60E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 60E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_60E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 63E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_63E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 66E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 66E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_66E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 69E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_69E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 72E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 72E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_72E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 78E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 84E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 90E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 96E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 051°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 057°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 063°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 069°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 24 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 33 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 34 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 35 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 37 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 38 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 39 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 40 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 41 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 43 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 44 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 45 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 46 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_46),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(46500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 47 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 141°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_47),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(47500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 48 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_48),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(48500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 49 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 147°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 50 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 51 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 153°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(51500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 52 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(52500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 53 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 159°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(53500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 54 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(54500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 55 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 165°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(55500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 56 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 57 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(57500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 58 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(58500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 59 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_59),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(59500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 60 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_60),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(60500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 61 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 61
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_61),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(61500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 62 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 62
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_62),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(62500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 63 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 63
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_63),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(63500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 64 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 64
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_64),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / 3-degree Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone A1 (Projected)

EPSG	PHPCoord

Name: CS63 zone A1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A1
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A1),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(41.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone A2 (Projected)

EPSG	PHPCoord

Name: CS63 zone A2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A2
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A2),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(44.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone A3 (Projected)

EPSG	PHPCoord

Name: CS63 zone A3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A3),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(47.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone A4 (Projected)

EPSG	PHPCoord

Name: CS63 zone A4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A4
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A4),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(50.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone C0 (Projected)

EPSG	PHPCoord

Name: CS63 zone C0
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU - CS63 zone C0
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_CS63_ZONE_C0),`
	`  latitudeOfNaturalOrigin: new Degree(0.1),`
	`  longitudeOfNaturalOrigin: new Degree(21.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone C1 (Projected)

EPSG	PHPCoord

Name: CS63 zone C1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU - CS63 zone C1
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_CS63_ZONE_C1),`
	`  latitudeOfNaturalOrigin: new Degree(0.1),`
	`  longitudeOfNaturalOrigin: new Degree(24.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone C2 (Projected)

EPSG	PHPCoord

Name: CS63 zone C2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU - CS63 zone C2
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_CS63_ZONE_C2),`
	`  latitudeOfNaturalOrigin: new Degree(0.1),`
	`  longitudeOfNaturalOrigin: new Degree(27.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone K2 (Projected)

EPSG	PHPCoord

Name: CS63 zone K2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone K2
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K2),`
	`  latitudeOfNaturalOrigin: new Degree(0.13333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(50.766666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone K3 (Projected)

EPSG	PHPCoord

Name: CS63 zone K3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone K3
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K3),`
	`  latitudeOfNaturalOrigin: new Degree(0.13333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(53.766666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone K4 (Projected)

EPSG	PHPCoord

Name: CS63 zone K4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone K4
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K4),`
	`  latitudeOfNaturalOrigin: new Degree(0.13333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(56.766666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X1 (Projected)

EPSG	PHPCoord

Name: CS63 zone X1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - west of 25°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X1),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(23.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X2 (Projected)

EPSG	PHPCoord

Name: CS63 zone X2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 25°E to 28°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X2),`
	`  latitudeOfNaturalOrigin: new Degree(0.08333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(26.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X3 (Projected)

EPSG	PHPCoord

Name: CS63 zone X3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 28°E to 31°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X3),`
	`  latitudeOfNaturalOrigin: new Degree(0.08333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(29.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X4 (Projected)

EPSG	PHPCoord

Name: CS63 zone X4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 31°E to 34°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X4),`
	`  latitudeOfNaturalOrigin: new Degree(0.08333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(32.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X5 (Projected)

EPSG	PHPCoord

Name: CS63 zone X5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 34°E to 37°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X5),`
	`  latitudeOfNaturalOrigin: new Degree(0.08333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(35.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X6 (Projected)

EPSG	PHPCoord

Name: CS63 zone X6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 37°E to 40°E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X6),`
	`  latitudeOfNaturalOrigin: new Degree(0.08333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(38.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / CS63 zone X7 (Projected)

EPSG	PHPCoord

Name: CS63 zone X7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - east of 40°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X7),`
	`  latitudeOfNaturalOrigin: new Degree(0.08333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(41.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Caspian Sea Mercator (Projected)

EPSG	PHPCoord

Name: Caspian Sea Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - Caspian Sea
	`$point->mercatorVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_CASPIAN_SEA_MERCATOR),`
	`  latitudeOf1stStandardParallel: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 141E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_141E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 147E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_147E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 153E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_153E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 159E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_159E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 165E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_165E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 171E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 171W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 177E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 177W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_177W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 21E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 27E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 33E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 39E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 45E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_45E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 51E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_51E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 57E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_57E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 63E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_63E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 69E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_69E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 24 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 6 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942 / Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to UCS-2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(28),`
	`  yAxisTranslation: new Metre(-130),`
	`  zAxisTranslation: new Metre(-95)`
	`)`

Name: Pulkovo 1942 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(24),`
	`  yAxisTranslation: new Metre(-124),`
	`  zAxisTranslation: new Metre(-82)`
	`)`

Name: Pulkovo 1942 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kazakhstan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(15),`
	`  yAxisTranslation: new Metre(-130),`
	`  zAxisTranslation: new Metre(-84)`
	`)`

Name: Pulkovo 1942 to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kazakhstan - Caspian Sea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(43.822),`
	`  yAxisTranslation: new Metre(-108.842),`
	`  zAxisTranslation: new Metre(-119.585),`
	`  xAxisRotation: new ArcSecond(1.455),`
	`  yAxisRotation: new ArcSecond(-0.761),`
	`  zAxisRotation: new ArcSecond(0.737),`
	`  scaleDifference: new PartsPerMillion(0.549)`
	`)`

Name: Pulkovo 1942 to WGS 84 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(21.58719),`
	`  yAxisTranslation: new Metre(-97.54127),`
	`  zAxisTranslation: new Metre(-60.92546),`
	`  xAxisRotation: new ArcSecond(-1.01378),`
	`  yAxisRotation: new ArcSecond(-0.58117),`
	`  zAxisRotation: new ArcSecond(-0.2348),`
	`  scaleDifference: new PartsPerMillion(-4.6121)`
	`)`

Name: Pulkovo 1942 to WGS 84 (16) Code:	`$point->coordinateFrameRotation(` `  to: Geographic2D::fromSRID(Geographic2D::EPSG_`

Pulkovo 1942(58)

`Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58)`

to Albanian 1987 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(58) to Albanian 1987 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ALBANIAN_1987),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(58) to ETRS89 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(2.3287),`
	`  yAxisTranslation: new Metre(-147.0425),`
	`  zAxisTranslation: new Metre(-92.0802),`
	`  xAxisRotation: new ArcSecond(0.3092483),`
	`  yAxisRotation: new ArcSecond(-0.32482185),`
	`  zAxisRotation: new ArcSecond(-0.49729934),`
	`  scaleDifference: new PartsPerMillion(5.68906266)`
	`)`

Name: Pulkovo 1942(58) to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(33.4),`
	`  yAxisTranslation: new Metre(-146.6),`
	`  zAxisTranslation: new Metre(-76.3),`
	`  xAxisRotation: new ArcSecond(-0.359),`
	`  yAxisRotation: new ArcSecond(-0.053),`
	`  zAxisRotation: new ArcSecond(0.844),`
	`  scaleDifference: new PartsPerMillion(-0.84)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 6 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 018°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / GUGiK-80 (Projected)

EPSG	PHPCoord

Name: GUGiK-80
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GUGIK_80),`
	`  latitudeOfNaturalOrigin: new Degree(52.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(19.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999714),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Pulkovo 1942(58) / Gauss-Kruger zone 2 (E-N) (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / Gauss-Kruger zone 2 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_58_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_58_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(58) / Poland zone I (Projected)

EPSG	PHPCoord

Name: Poland zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone I
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_I),`
	`  latitudeOfNaturalOrigin: new Degree(50.625),`
	`  longitudeOfNaturalOrigin: new Degree(21.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(4637000),`
	`  falseNorthing: new Metre(5467000)`
	`)`

to Pulkovo 1942(58) / Poland zone II (Projected)

EPSG	PHPCoord

Name: Poland zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone II
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_II),`
	`  latitudeOfNaturalOrigin: new Degree(53.001944444444),`
	`  longitudeOfNaturalOrigin: new Degree(21.502777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(4603000),`
	`  falseNorthing: new Metre(5806000)`
	`)`

to Pulkovo 1942(58) / Poland zone III (Projected)

EPSG	PHPCoord

Name: Poland zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone III
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_III),`
	`  latitudeOfNaturalOrigin: new Degree(53.583333333333),`
	`  longitudeOfNaturalOrigin: new Degree(17.008333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(3501000),`
	`  falseNorthing: new Metre(5999000)`
	`)`

to Pulkovo 1942(58) / Poland zone IV (Projected)

EPSG	PHPCoord

Name: Poland zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone IV
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_IV),`
	`  latitudeOfNaturalOrigin: new Degree(51.670833333333),`
	`  longitudeOfNaturalOrigin: new Degree(16.672222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(3703000),`
	`  falseNorthing: new Metre(5627000)`
	`)`

to Pulkovo 1942(58) / Poland zone V (Projected)

EPSG	PHPCoord

Name: Poland zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.958333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999983),`
	`  falseEasting: new Metre(237000),`
	`  falseNorthing: new Metre(-4700000)`
	`)`

to Pulkovo 1942(58) / Stereo70 (Projected)

EPSG	PHPCoord

Name: Stereo 70
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->obliqueStereographic(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_STEREO70),`
	`  latitudeOfNaturalOrigin: new Degree(46),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(58) to WGS 84 (18)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(44.107),`
	`  yAxisTranslation: new Metre(-116.147),`
	`  zAxisTranslation: new Metre(-54.648)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(28),`
	`  yAxisTranslation: new Metre(-121),`
	`  zAxisTranslation: new Metre(-77)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(23),`
	`  yAxisTranslation: new Metre(-124),`
	`  zAxisTranslation: new Metre(-82)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(24),`
	`  yAxisTranslation: new Metre(-130),`
	`  zAxisTranslation: new Metre(-92)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (22)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - north of 41°18'N and east of 19°09'E
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(74.5),`
	`  yAxisTranslation: new Metre(-112.5),`
	`  zAxisTranslation: new Metre(-44.3)`
	`)`

Pulkovo 1942(83)

`Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83)`

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(83) to BGS2005 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->positionVectorMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BGS2005),`
	`  xAxisTranslation: new Metre(5),`
	`  yAxisTranslation: new Metre(-133),`
	`  zAxisTranslation: new Metre(-104),`
	`  xAxisRotation: new ArcSecond(-1.4),`
	`  yAxisRotation: new ArcSecond(-2),`
	`  zAxisRotation: new ArcSecond(3.4),`
	`  scaleDifference: new PartsPerMillion(-3.9901),`
	`  ordinate1OfEvaluationPoint: new Metre(4223032),`
	`  ordinate2OfEvaluationPoint: new Metre(2032778),`
	`  ordinate3OfEvaluationPoint: new Metre(4309209)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(83) to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - East Germany all states
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(24.9),`
	`  yAxisTranslation: new Metre(-126.4),`
	`  zAxisTranslation: new Metre(-93.2),`
	`  xAxisRotation: new ArcSecond(-0.063),`
	`  yAxisRotation: new ArcSecond(-0.247),`
	`  zAxisRotation: new ArcSecond(-0.041),`
	`  scaleDifference: new PartsPerMillion(1.01)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 6 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 018°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / Gauss-Kruger zone 2 (E-N) (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / Gauss-Kruger zone 2 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / Gauss-Kruger zone 3 (E-N) (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / Gauss-Kruger zone 3 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1942(83) / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1942_83_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(83) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(28),`
	`  yAxisTranslation: new Metre(-121),`
	`  zAxisTranslation: new Metre(-77)`
	`)`

Name: Pulkovo 1942(83) to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(26),`
	`  yAxisTranslation: new Metre(-121),`
	`  zAxisTranslation: new Metre(-78)`
	`)`

Pulkovo 1995

`Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995)`

to PZ-90 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1995 to PZ-90 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PZ_90),`
	`  xAxisTranslation: new Metre(25.9),`
	`  yAxisTranslation: new Metre(-130.94),`
	`  zAxisTranslation: new Metre(-81.76)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 102E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 108E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 114E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 120E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 126E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 132E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 138E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 138E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_138E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 141E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_141E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 144E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 144E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_144E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 147E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_147E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 150E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 150E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_150E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 153E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_153E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 156E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 156E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_156E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 159E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_159E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 162E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 162E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_162E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 165E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_165E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 168E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_168E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 168W (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_168W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 171E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_171E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 171W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_171W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 174E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_174E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 174W (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_174W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 177E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_177E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 177W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_177W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 180E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 180E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_180E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 21E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 24E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 24E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_24E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 27E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 30E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_30E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 33E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 36E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_36E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 39E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 42E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_42E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 45E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_45E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 48E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 48E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_48E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 51E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_51E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 54E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 54E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_54E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 57E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_57E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 60E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 60E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_60E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 63E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_63E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 66E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 66E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_66E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 69E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_69E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 72E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 72E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_72E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 78E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 84E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 90E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 96E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 051°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 057°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 063°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 069°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 24 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 33 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 34 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 35 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 37 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 38 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 39 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 40 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 41 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 43 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 44 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 45 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 46 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_46),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(46500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 47 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 141°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_47),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(47500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 48 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_48),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(48500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 49 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 147°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 50 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 51 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 153°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_51),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(51500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 52 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(52500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 53 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 159°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_53),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(53500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 54 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(54500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 55 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 165°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_55),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(55500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 56 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 57 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_57),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(57500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 58 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(58500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 59 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_59),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(59500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 60 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_60),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(60500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 61 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 61
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_61),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(61500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 62 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 62
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_62),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(62500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 63 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 63
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_63),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(63500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 64 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 64
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_64),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / 3-degree Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 141E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_141E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 147E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_147E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 153E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_153E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 159E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_159E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 165E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_165E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 171E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_171E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 171W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_171W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 177E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_177E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 177W (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_177W),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 21E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 27E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 33E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 39E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 45E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_45E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 51E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_51E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 57E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_57E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 63E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_63E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 69E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_69E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 24 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 6 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Pulkovo 1995 / Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪PULKOVO_1995_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1995 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(24.47),`
	`  yAxisTranslation: new Metre(-130.89),`
	`  zAxisTranslation: new Metre(-81.56),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(-0.13),`
	`  scaleDifference: new PartsPerMillion(-0.22)`
	`)`

QND95

`Geographic2D::fromSRID(Geographic2D::EPSG_QND95)`

to QND95 / Qatar National Grid (Projected)

EPSG	PHPCoord

Name: Qatar National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_QND95_QATAR_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(24.45),`
	`  longitudeOfNaturalOrigin: new Degree(51.216666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: QND95 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-119.4248),`
	`  yAxisTranslation: new Metre(-303.65872),`
	`  zAxisTranslation: new Metre(-11.00061),`
	`  xAxisRotation: new ArcSecond(1.164298),`
	`  yAxisRotation: new ArcSecond(0.174458),`
	`  zAxisRotation: new ArcSecond(1.096259),`
	`  scaleDifference: new PartsPerMillion(3.657065)`
	`)`

Qatar 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1948)`

to Qatar 1948 / Qatar Grid (Projected)

EPSG	PHPCoord

Name: Qatar Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar - onshore
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_QATAR_1948_QATAR_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(25.382361111111),`
	`  longitudeOfNaturalOrigin: new Degree(50.761388888889),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(100000)`
	`)`

Qatar 1974

`Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1974)`

to Qatar 1974 / Qatar National Grid (Projected)

EPSG	PHPCoord

Name: Qatar National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_QATAR_`
	`↪1974_QATAR_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(24.45),`
	`  longitudeOfNaturalOrigin: new Degree(51.`
	`↪216666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Qatar 1974 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-128.033),`
	`  yAxisTranslation: new Metre(-283.697),`
	`  zAxisTranslation: new Metre(21.052)`
	`)`

Qornoq 1927

`Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: Qornoq 1927 to GR96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west coast
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  xAxisTranslation: new Metre(163.511),`
	`  yAxisTranslation: new Metre(127.533),`
	`  zAxisTranslation: new Metre(-159.789),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.6)`
	`)`

to Qornoq 1927 / Greenland zone 2 west (Projected)

EPSG	PHPCoord

Name: Greenland zone 2 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 78°N to 81°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_2_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(79.5),`
	`  longitudeOfNaturalOrigin: new Degree(-64),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / Greenland zone 3 west (Projected)

EPSG	PHPCoord

Name: Greenland zone 3 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 75°N to 78°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_3_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(76.5),`
	`  longitudeOfNaturalOrigin: new Degree(-64),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / Greenland zone 4 west (Projected)

EPSG	PHPCoord

Name: Greenland zone 4 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 72°N to 75°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_4_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(73.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / Greenland zone 5 west (Projected)

EPSG	PHPCoord

Name: Greenland zone 5 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 69°N to 72°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_5_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(70.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / Greenland zone 6 west (Projected)

EPSG	PHPCoord

Name: Greenland zone 6 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 66°N to 69°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_6_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(67.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / Greenland zone 7 west (Projected)

EPSG	PHPCoord

Name: Greenland zone 7 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 63°N to 66°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_7_WEST),`
	`  latitudeOfNaturalOrigin: new Degree(64.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / Greenland zone 8 east (Projected)

EPSG	PHPCoord

Name: Greenland zone 8 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - south of 63°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_GREENLAND_ZONE_8_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(61.5),`
	`  longitudeOfNaturalOrigin: new Degree(-48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Qornoq 1927 / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_QORNOQ_`
	`↪1927_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Qornoq 1927 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west coast
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(163.511),`
	`  yAxisTranslation: new Metre(127.533),`
	`  zAxisTranslation: new Metre(-159.789),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.6)`
	`)`

RBEPP12-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_RBEPP12_IRF)`

to RBEPP12 Grid (Projected)

EPSG	PHPCoord

Name: RBEPP12-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK – Reading to Penzance
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RBEPP12_GRID),`
	`  latitudeOfFalseOrigin: new Degree(50.85),`
	`  longitudeOfFalseOrigin: new Degree(-3.25),`
	`  latitudeOf1stStandardParallel: new Degree(50.3),`
	`  latitudeOf2ndStandardParallel: new Degree(51.45),`
	`  eastingAtFalseOrigin: new Metre(372382.8292),`
	`  northingAtFalseOrigin: new Metre(217764.7796)`
	`)`

RD/83

`Geographic2D::fromSRID(Geographic2D::EPSG_RD_83)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: RD/83 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Saxony
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(612.4),`
	`  yAxisTranslation: new Metre(77),`
	`  zAxisTranslation: new Metre(440.2),`
	`  xAxisRotation: new ArcSecond(-0.054),`
	`  yAxisRotation: new ArcSecond(0.057),`
	`  zAxisRotation: new ArcSecond(-2.797),`
	`  scaleDifference: new PartsPerMillion(2.55)`
	`)`

Name: RD/83 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Saxony
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: NTv2RD83ETRS89SaxonyProvider->provideGrid()`
	`)`

to RD/83 / 3-degree Gauss-Kruger zone 4 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RD/83 / 3-degree Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RD/83 / 3-degree Gauss-Kruger zone 5 (E-N) (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RD/83 / 3-degree Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RD_83_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008

`Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: RDN2008 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - including San Marino and Vatican
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to RDN2008 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RDN2008)`
	`)`

to RDN2008 / Italy zone (E-N) (Projected)

EPSG	PHPCoord

Name: Italy zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9985),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / Italy zone (N-E) (Projected)

EPSG	PHPCoord

Name: Italy zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9985),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / UTM zone 32N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / UTM zone 33N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / UTM zone 34N (N-E) (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / Zone 12 (E-N) (Projected)

EPSG	PHPCoord

Name: Italy zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_ZONE_12_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3000000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RDN2008 / Zone 12 (N-E) (Projected)

EPSG	PHPCoord

Name: Italy zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RDN2008_ZONE_12_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3000000),`
	`  falseNorthing: new Metre(0)`
	`)`

REDGEOMIN

`Geographic2D::fromSRID(Geographic2D::EPSG_REDGEOMIN)`

to REDGEOMIN (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_REDGEOMIN)`
	`)`

to REDGEOMIN / UTM zone 12S (Projected)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_12S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to REDGEOMIN / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to REDGEOMIN / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

REGCAN95

`Geographic2D::fromSRID(Geographic2D::EPSG_REGCAN95)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_REGCAN95)`
	`)`

to REGCAN95 / LAEA Europe (Projected)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_REGCAN95_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

to REGCAN95 / LCC Europe (Projected)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_REGCAN95_LCC_EUROPE),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

to REGCAN95 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to REGCAN95 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪REGCAN95_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: REGCAN95 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

REGVEN

`Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN)`

to La Canoa (Geographic2D)

EPSG	PHPCoord

Name: La Canoa to REGVEN (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  xAxisTranslation: new Metre(270.933),`
	`  yAxisTranslation: new Metre(-115.599),`
	`  zAxisTranslation: new Metre(360.226),`
	`  xAxisRotation: new ArcSecond(5.266),`
	`  yAxisRotation: new ArcSecond(1.238),`
	`  zAxisRotation: new ArcSecond(-2.381),`
	`  scaleDifference: new PartsPerMillion(5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.81)`
	`)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to REGVEN (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(270.933),`
	`  yAxisTranslation: new Metre(-115.599),`
	`  zAxisTranslation: new Metre(360.226),`
	`  xAxisRotation: new ArcSecond(5.266),`
	`  yAxisRotation: new ArcSecond(1.238),`
	`  zAxisRotation: new ArcSecond(-2.381),`
	`  scaleDifference: new PartsPerMillion(5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.81)`
	`)`

to REGVEN (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_REGVEN)`
	`)`

to REGVEN / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to REGVEN / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to REGVEN / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REGVEN_`
	`↪UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: REGVEN to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_1995),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: REGVEN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGAF09

`Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09)`

to Fort Marigot (Geographic2D)

EPSG	PHPCoord

Name: Fort Marigot to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin and St Barthelemy - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FORT_MARIGOT),`
	`  xAxisTranslation: new Metre(-151.613),`
	`  yAxisTranslation: new Metre(-253.832),`
	`  zAxisTranslation: new Metre(429.084),`
	`  xAxisRotation: new ArcSecond(0.0506),`
	`  yAxisRotation: new ArcSecond(-0.0958),`
	`  zAxisRotation: new ArcSecond(0.5974),`
	`  scaleDifference: new PartsPerMillion(0.3971)`
	`)`

to Guadeloupe 1948 (Geographic2D)

EPSG	PHPCoord

Name: Guadeloupe 1948 to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and surrounding islands - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GUADELOUPE_1948),`
	`  xAxisTranslation: new Metre(471.06),`
	`  yAxisTranslation: new Metre(3.212),`
	`  zAxisTranslation: new Metre(305.843),`
	`  xAxisRotation: new ArcSecond(-0.4752),`
	`  yAxisRotation: new ArcSecond(0.9978),`
	`  zAxisRotation: new ArcSecond(-0.2068),`
	`  scaleDifference: new PartsPerMillion(-2.1353)`
	`)`

to Martinique 1938 (Geographic2D)

EPSG	PHPCoord

Name: Martinique 1938 to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARTINIQUE_1938),`
	`  xAxisTranslation: new Metre(-127.744),`
	`  yAxisTranslation: new Metre(-547.069),`
	`  zAxisTranslation: new Metre(-118.359),`
	`  xAxisRotation: new ArcSecond(3.1116),`
	`  yAxisRotation: new ArcSecond(-4.9509),`
	`  zAxisRotation: new ArcSecond(0.8837),`
	`  scaleDifference: new PartsPerMillion(-14.1012)`
	`)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09)`
	`)`

to RGAF09 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGAF09_LON_LAT)`
	`)`

to RGAF09 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGAF09_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RRAF 1991 (Geographic2D)

EPSG	PHPCoord

Name: RRAF 1991 to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RRAF_1991),`
	`  xAxisTranslation: new Metre(-0.7696),`
	`  yAxisTranslation: new Metre(0.8692),`
	`  zAxisTranslation: new Metre(12.0631),`
	`  xAxisRotation: new ArcSecond(0.32511),`
	`  yAxisRotation: new ArcSecond(0.21041),`
	`  zAxisRotation: new ArcSecond(0.0239),`
	`  scaleDifference: new PartsPerMillion(-0.2829)`
	`)`

Name: RRAF 1991 to RGAF09 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and surrounding islands - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RRAF_1991),`
	`  xAxisTranslation: new Metre(-1.2239),`
	`  yAxisTranslation: new Metre(-2.4156),`
	`  zAxisTranslation: new Metre(1.7598),`
	`  xAxisRotation: new ArcSecond(-0.038),`
	`  yAxisRotation: new ArcSecond(0.16101),`
	`  zAxisRotation: new ArcSecond(0.04925),`
	`  scaleDifference: new PartsPerMillion(-0.2387)`
	`)`

Name: RRAF 1991 to RGAF09 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin and St Barthelemy - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RRAF_1991),`
	`  xAxisTranslation: new Metre(-14.6642),`
	`  yAxisTranslation: new Metre(-5.2493),`
	`  zAxisTranslation: new Metre(-0.1981),`
	`  xAxisRotation: new ArcSecond(0.06838),`
	`  yAxisRotation: new ArcSecond(-0.09141),`
	`  zAxisRotation: new ArcSecond(0.58131),`
	`  scaleDifference: new PartsPerMillion(0.4067)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGAF09 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - French Antilles
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGAF09 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09_LON_LAT)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09)`
	`)`

RGF93 v1

`Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v1 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to NTF (Geographic2D)

EPSG	PHPCoord

Name: NTF to RGF93 v1 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NTF),`
	`  offsetsFile:␣`
	`↪IGNFGeocentricTranslationNTFRGF93Provider->`
	`↪provideGrid()`
	`)`

to RGF93 v1 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V1)`
	`)`

to RGF93 v1 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V1_LON_LAT)`
	`)`

to RGF93 v1 / CC42 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 43°N and Corsica
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC42),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(41.25),`
	`  latitudeOf2ndStandardParallel: new Degree(42.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(1200000)`
	`)`

to RGF93 v1 / CC43 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 44°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC43),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(42.25),`
	`  latitudeOf2ndStandardParallel: new Degree(43.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(2200000)`
	`)`

to RGF93 v1 / CC44 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 43°N to 45°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC44),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(43.25),`
	`  latitudeOf2ndStandardParallel: new Degree(44.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(3200000)`
	`)`

to RGF93 v1 / CC45 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 44°N to 46°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC45),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(4200000)`
	`)`

to RGF93 v1 / CC46 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 45°N to 47°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC46),`
	`  latitudeOfFalseOrigin: new Degree(46),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(45.25),`
	`  latitudeOf2ndStandardParallel: new Degree(46.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(5200000)`
	`)`

to RGF93 v1 / CC47 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 46°N to 48°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC47),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(46.25),`
	`  latitudeOf2ndStandardParallel: new Degree(47.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(6200000)`
	`)`

to RGF93 v1 / CC48 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 47°N to 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC48),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(47.25),`
	`  latitudeOf2ndStandardParallel: new Degree(48.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(7200000)`
	`)`

to RGF93 v1 / CC49 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 48°N to 50°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC49),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(48.25),`
	`  latitudeOf2ndStandardParallel: new Degree(49.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(8200000)`
	`)`

to RGF93 v1 / CC50 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_CC50),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49.25),`
	`  latitudeOf2ndStandardParallel: new Degree(50.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(9200000)`
	`)`

to RGF93 v1 / Lambert-93 (Projected)

EPSG	PHPCoord

Name: Lambert-93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V1_LAMBERT_93),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(6600000)`
	`)`

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v1 to RGF93 v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGF93 v1 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1_LON_LAT)`

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1)`
	`)`

RGF93 v2

`Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v2 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to NTF (Geographic2D)

EPSG	PHPCoord

Name: NTF to RGF93 v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF),`
	`  offsetsFile: IGNFGeocentricTranslationNTFRGF93Provider->provideGrid()`
	`)`

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v1 to RGF93 v2 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGF93 v2 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2)`
	`)`

to RGF93 v2 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2_LON_LAT)`
	`)`

to RGF93 v2 / CC42 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 43°N and Corsica
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC42),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(41.25),`
	`  latitudeOf2ndStandardParallel: new Degree(42.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(1200000)`
	`)`

to RGF93 v2 / CC43 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 44°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC43),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(42.25),`
	`  latitudeOf2ndStandardParallel: new Degree(43.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(2200000)`
	`)`

to RGF93 v2 / CC44 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 43°N to 45°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC44),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(43.25),`
	`  latitudeOf2ndStandardParallel: new Degree(44.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(3200000)`
	`)`

to RGF93 v2 / CC45 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 44°N to 46°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC45),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(4200000)`
	`)`

to RGF93 v2 / CC46 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 45°N to 47°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC46),`
	`  latitudeOfFalseOrigin: new Degree(46),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(45.25),`
	`  latitudeOf2ndStandardParallel: new Degree(46.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(5200000)`
	`)`

to RGF93 v2 / CC47 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 46°N to 48°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC47),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(46.25),`
	`  latitudeOf2ndStandardParallel: new Degree(47.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(6200000)`
	`)`

to RGF93 v2 / CC48 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 47°N to 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC48),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(47.25),`
	`  latitudeOf2ndStandardParallel: new Degree(48.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(7200000)`
	`)`

to RGF93 v2 / CC49 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 48°N to 50°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC49),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(48.25),`
	`  latitudeOf2ndStandardParallel: new Degree(49.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(8200000)`
	`)`

to RGF93 v2 / CC50 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_CC50),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49.25),`
	`  latitudeOf2ndStandardParallel: new Degree(50.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(9200000)`
	`)`

to RGF93 v2 / Lambert-93 (Projected)

EPSG	PHPCoord

Name: Lambert-93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2_LAMBERT_93),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(6600000)`
	`)`

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v2 to RGF93 v2b
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  xAxisTranslation: new Metre(-0.017),`
	`  yAxisTranslation: new Metre(0.058),`
	`  zAxisTranslation: new Metre(0.009),`
	`  xAxisRotation: new ArcSecond(0.001305),`
	`  yAxisRotation: new ArcSecond(0.00068),`
	`  zAxisRotation: new ArcSecond(-0.001467),`
	`  scaleDifference: new PartsPerMillion(-0.00072)`
	`)`

RGF93 v2 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2_LON_LAT)`

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2)`
	`)`

RGF93 v2b

`Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v2b to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to NTF (Geographic2D)

EPSG	PHPCoord

Name: NTF to RGF93 v2b (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - onshore - mainland and Corsica
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NTF),`
	`  offsetsFile:␣`
	`↪IGNFGeocentricTranslationNTFRGF93Provider->`
	`↪provideGrid()`
	`)`

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: RGF93 v2 to RGF93 v2b
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V2),`
	`  xAxisTranslation: new Metre(0.017),`
	`  yAxisTranslation: new Metre(-0.058),`
	`  zAxisTranslation: new Metre(-0.009),`
	`  xAxisRotation: new ArcSecond(-0.001305),`
	`  yAxisRotation: new ArcSecond(-0.00068),`
	`  zAxisRotation: new ArcSecond(0.001467),`
	`  scaleDifference: new PartsPerMillion(0.00072)`
	`)`

to RGF93 v2b (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B)`
	`)`

to RGF93 v2b (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B_LON_LAT)`
	`)`

to RGF93 v2b / CC42 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 43°N and Corsica
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC42),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(41.25),`
	`  latitudeOf2ndStandardParallel: new Degree(42.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(1200000)`
	`)`

to RGF93 v2b / CC43 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 44°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC43),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(42.25),`
	`  latitudeOf2ndStandardParallel: new Degree(43.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(2200000)`
	`)`

to RGF93 v2b / CC44 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 43°N to 45°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC44),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(43.25),`
	`  latitudeOf2ndStandardParallel: new Degree(44.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(3200000)`
	`)`

to RGF93 v2b / CC45 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 44°N to 46°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC45),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(4200000)`
	`)`

to RGF93 v2b / CC46 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 45°N to 47°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC46),`
	`  latitudeOfFalseOrigin: new Degree(46),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(45.25),`
	`  latitudeOf2ndStandardParallel: new Degree(46.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(5200000)`
	`)`

to RGF93 v2b / CC47 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 46°N to 48°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC47),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(46.25),`
	`  latitudeOf2ndStandardParallel: new Degree(47.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(6200000)`
	`)`

to RGF93 v2b / CC48 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 47°N to 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC48),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(47.25),`
	`  latitudeOf2ndStandardParallel: new Degree(48.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(7200000)`
	`)`

to RGF93 v2b / CC49 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 48°N to 50°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC49),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(48.25),`
	`  latitudeOf2ndStandardParallel: new Degree(49.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(8200000)`
	`)`

to RGF93 v2b / CC50 (Projected)

EPSG	PHPCoord

Name: France Conic Conformal zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC50),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49.25),`
	`  latitudeOf2ndStandardParallel: new Degree(50.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(9200000)`
	`)`

to RGF93 v2b / Lambert-93 (Projected)

EPSG	PHPCoord

Name: Lambert-93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGF93_V2B_LAMBERT_93),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(6600000)`
	`)`

RGF93 v2b (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B_LON_LAT)`

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B)`
	`)`

RGFG95

`Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95)`

to CSG67 (Geographic2D)

EPSG	PHPCoord

Name: CSG67 to RGFG95 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Guiana - coastal area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CSG67),`
	`  xAxisTranslation: new Metre(193.066),`
	`  yAxisTranslation: new Metre(-236.993),`
	`  zAxisTranslation: new Metre(-105.447),`
	`  xAxisRotation: new ArcSecond(-0.4814),`
	`  yAxisRotation: new ArcSecond(0.8074),`
	`  zAxisRotation: new ArcSecond(-0.1276),`
	`  scaleDifference: new PartsPerMillion(-1.5649)`
	`)`

to RGFG95 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGFG95)`
	`)`

to RGFG95 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGFG95_LON_LAT)`
	`)`

to RGFG95 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGFG95 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGFG95 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Guiana
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGFG95 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95_LON_LAT)`

to RGFG95 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95)`
	`)`

RGM04

`Geographic2D::fromSRID(Geographic2D::EPSG_RGM04)`

to Cadastre 1997 (Geographic2D)

EPSG	PHPCoord

Name: Cadastre 1997 to RGM04 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mayotte - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CADASTRE_1997),`
	`  xAxisTranslation: new Metre(381.788),`
	`  yAxisTranslation: new Metre(57.501),`
	`  zAxisTranslation: new Metre(256.673)`
	`)`

to Combani 1950 (Geographic2D)

EPSG	PHPCoord

Name: Combani 1950 to RGM04 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mayotte - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪COMBANI_1950),`
	`  xAxisTranslation: new Metre(599.928),`
	`  yAxisTranslation: new Metre(275.552),`
	`  zAxisTranslation: new Metre(195.665),`
	`  xAxisRotation: new ArcSecond(0.0835),`
	`  yAxisRotation: new ArcSecond(0.4715),`
	`  zAxisRotation: new ArcSecond(-0.0602),`
	`  scaleDifference: new PartsPerMillion(-49.2814)`
	`)`

to RGM04 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGM04)`
	`)`

to RGM04 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGM04_LON_LAT)`
	`)`

to RGM04 / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGM04_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGM04 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mayotte
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGM04 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGM04_LON_LAT)`

to RGM04 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGM04)`
	`)`

RGNC15

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15)
```

to RGNC15 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15)`
	`)`

to RGNC15 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15_LON_LAT)`
	`)`

to RGNC15 / Lambert New Caledonia 2015 (Projected)

EPSG	PHPCoord

Name: Lambert New Caledonia 2015
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC15_LAMBERT_NEW_CALEDONIA_2015),`
	`  latitudeOfFalseOrigin: new Degree(-21.5),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(-20.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2400000),`
	`  northingAtFalseOrigin: new Metre(2300000)`
	`)`

to RGNC15 / UTM zone 57S (Projected)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_57S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGNC15 / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGNC15 / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGNC15 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGNC15 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15_LON_LAT)`

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC15)`
	`)`

to RGNC91-93 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: RGNC91-93 to RGNC15 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC91_93_LON_LAT),`
	`  xAxisTranslation: new Metre(0.584),`
	`  yAxisTranslation: new Metre(1.117),`
	`  zAxisTranslation: new Metre(-1.125)`
	`)`

RGNC91-93

`Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93)`

to IGN72 Grande Terre (Geographic2D)

EPSG	PHPCoord

Name: IGN72 Grande Terre to RGNC91-93 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE),`
	`  offsetsFile: IGNFGeocentricTranslationIGN72GrandeTerreRGNC9193Provider->provideGrid()`
	`)`

Name: IGN72 Grande Terre to RGNC91-93 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE),`
	`  offsetsFile: IGNFGeocentricTranslationIGN72GrandeTerreRGNC9193NoumeaProvider->provideGrid()`
	`)`

to NEA74 Noumea (Geographic2D)

EPSG	PHPCoord

Name: NEA74 Noumea to RGNC91-93 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEA74_NOUMEA),`
	`  xAxisTranslation: new Metre(166.0684),`
	`  yAxisTranslation: new Metre(154.7826),`
	`  zAxisTranslation: new Metre(-254.8282),`
	`  xAxisRotation: new ArcSecond(-37.546),`
	`  yAxisRotation: new ArcSecond(7.7018),`
	`  zAxisRotation: new ArcSecond(-10.2029),`
	`  scaleDifference: new PartsPerMillion(30.84)`
	`)`

Name: NEA74 Noumea to RGNC91-93 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEA74_NOUMEA),`
	`  offsetsFile:␣`
	`↪IGNFGeocentricTranslationNEA74NoumeaRGNC9193Provider-`
	`↪>provideGrid()`
	`)`

to RGNC91-93 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGNC91_93)`
	`)`

to RGNC91-93 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC91_93_LON_LAT)`
	`)`

to RGNC91-93 / Lambert New Caledonia (Projected)

EPSG	PHPCoord

Name: Lambert New Caledonia
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC91_`
	`↪93_LAMBERT_NEW_CALEDONIA),`
	`  latitudeOfFalseOrigin: new Degree(-21.5),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(-20.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(300000)`
	`)`

to RGNC91-93 / UTM zone 57S (Projected)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC91_`
	`↪93_UTM_ZONE_57S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGNC91-93 / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC91_`
	`↪93_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGNC91-93 / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGNC91_`
	`↪93_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to ST84 Ile des Pins (Geographic2D)

EPSG	PHPCoord

Name: ST84 Ile des Pins to RGNC91-93 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Ile des Pins
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST84_ILE_DES_PINS),`
	`  xAxisTranslation: new Metre(-244.42),`
	`  yAxisTranslation: new Metre(-85.352),`
	`  zAxisTranslation: new Metre(-168.129),`
	`  xAxisRotation: new ArcSecond(-8.936),`
	`  yAxisRotation: new ArcSecond(7.752),`
	`  zAxisRotation: new ArcSecond(12.5952),`
	`  scaleDifference: new PartsPerMillion(-14.2723)`
	`)`

to ST87 Ouvea (Geographic2D)

EPSG	PHPCoord

Name: ST87 Ouvea to RGNC91-93 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Ouvea
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST87_OUVEA),`
	`  xAxisTranslation: new Metre(122.386),`
	`  yAxisTranslation: new Metre(188.707),`
	`  zAxisTranslation: new Metre(-103.334),`
	`  xAxisRotation: new ArcSecond(3.511),`
	`  yAxisRotation: new ArcSecond(-4.9665),`
	`  zAxisRotation: new ArcSecond(-5.7048),`
	`  scaleDifference: new PartsPerMillion(-4.4799)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGNC91-93 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGNC91-93 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93_LON_LAT)`

to RGNC15 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: RGNC91-93 to RGNC15 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15_LON_LAT),`
	`  xAxisTranslation: new Metre(-0.584),`
	`  yAxisTranslation: new Metre(-1.117),`
	`  zAxisTranslation: new Metre(1.125)`
	`)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93)`
	`)`

RGPF

`Geographic2D::fromSRID(Geographic2D::EPSG_RGPF)`

to Fatu Iva 72 (Geographic2D)

EPSG	PHPCoord

Name: Fatu Iva 72 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Fatu Hiva
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FATU_IVA_72),`
	`  xAxisTranslation: new Metre(-347.103),`
	`  yAxisTranslation: new Metre(-1078.125),`
	`  zAxisTranslation: new Metre(-2623.922),`
	`  xAxisRotation: new ArcSecond(-33.8875),`
	`  yAxisRotation: new ArcSecond(70.6773),`
	`  zAxisRotation: new ArcSecond(-9.3943),`
	`  scaleDifference: new PartsPerMillion(-186.074)`
	`)`

to IGN63 Hiva Oa (Geographic2D)

EPSG	PHPCoord

Name: IGN63 Hiva Oa to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Hiva Oa
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA),`
	`  xAxisTranslation: new Metre(-410.721),`
	`  yAxisTranslation: new Metre(-55.049),`
	`  zAxisTranslation: new Metre(-80.746),`
	`  xAxisRotation: new ArcSecond(2.5779),`
	`  yAxisRotation: new ArcSecond(2.3514),`
	`  zAxisRotation: new ArcSecond(0.6664),`
	`  scaleDifference: new PartsPerMillion(-17.3311)`
	`)`

Name: IGN63 Hiva Oa to RGPF (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Tahuata
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA),`
	`  xAxisTranslation: new Metre(-374.715),`
	`  yAxisTranslation: new Metre(58.407),`
	`  zAxisTranslation: new Metre(0.957),`
	`  xAxisRotation: new ArcSecond(16.2111),`
	`  yAxisRotation: new ArcSecond(11.4626),`
	`  zAxisRotation: new ArcSecond(5.5357),`
	`  scaleDifference: new PartsPerMillion(0.5409)`
	`)`

to IGN72 Nuku Hiva (Geographic2D)

EPSG	PHPCoord

Name: IGN72 Nuku Hiva to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Nuku Hiva
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA),`
	`  xAxisTranslation: new Metre(-165.732),`
	`  yAxisTranslation: new Metre(-216.72),`
	`  zAxisTranslation: new Metre(-180.505),`
	`  xAxisRotation: new ArcSecond(0.6434),`
	`  yAxisRotation: new ArcSecond(0.4512),`
	`  zAxisRotation: new ArcSecond(0.0791),`
	`  scaleDifference: new PartsPerMillion(-7.4204)`
	`)`

Name: IGN72 Nuku Hiva to RGPF (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Ua Huka
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA),`
	`  xAxisTranslation: new Metre(-1363.785),`
	`  yAxisTranslation: new Metre(-1362.687),`
	`  zAxisTranslation: new Metre(-398.811),`
	`  xAxisRotation: new ArcSecond(4.5322),`
	`  yAxisRotation: new ArcSecond(6.7579),`
	`  zAxisRotation: new ArcSecond(1.0574),`
	`  scaleDifference: new PartsPerMillion(-268.361)`
	`)`

Name: IGN72 Nuku Hiva to RGPF (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Ua Pou
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA),`
	`  xAxisTranslation: new Metre(-259.551),`
	`  yAxisTranslation: new Metre(-297.612),`
	`  zAxisTranslation: new Metre(-197.833),`
	`  xAxisRotation: new ArcSecond(-1.4866),`
	`  yAxisRotation: new ArcSecond(-2.1224),`
	`  zAxisRotation: new ArcSecond(-0.4612),`
	`  scaleDifference: new PartsPerMillion(-27.0249)`
	`)`

to Maupiti 83 (Geographic2D)

EPSG	PHPCoord

Name: Maupiti 83 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Maupiti
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAUPITI_83),`
	`  xAxisTranslation: new Metre(-217.037),`
	`  yAxisTranslation: new Metre(-86.959),`
	`  zAxisTranslation: new Metre(-23.956)`
	`)`

to Moorea 87 (Geographic2D)

EPSG	PHPCoord

Name: Moorea 87 to RGPF (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Moorea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOOREA_87),`
	`  xAxisTranslation: new Metre(-218.697),`
	`  yAxisTranslation: new Metre(-151.257),`
	`  zAxisTranslation: new Metre(-176.995),`
	`  xAxisRotation: new ArcSecond(-3.5048),`
	`  yAxisRotation: new ArcSecond(-2.004),`
	`  zAxisRotation: new ArcSecond(-1.281),`
	`  scaleDifference: new PartsPerMillion(-10.991)`
	`)`

to RGPF (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGPF)`
	`)`

to RGPF / UTM zone 5S (Projected)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGPF_`
	`↪UTM_ZONE_5S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGPF_`
	`↪UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGPF_`
	`↪UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGPF / UTM zone 8S (Projected)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_8S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Tahaa 54 (Geographic2D)

EPSG	PHPCoord

Name: Tahaa 54 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea, Tahaa
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAHAA_54),`
	`  xAxisTranslation: new Metre(-72.438),`
	`  yAxisTranslation: new Metre(-345.918),`
	`  zAxisTranslation: new Metre(-79.486),`
	`  xAxisRotation: new ArcSecond(1.6045),`
	`  yAxisRotation: new ArcSecond(0.8823),`
	`  zAxisRotation: new ArcSecond(0.5565),`
	`  scaleDifference: new PartsPerMillion(-1.3746)`
	`)`

to Tahiti 79 (Geographic2D)

EPSG	PHPCoord

Name: Tahiti 79 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Tahiti
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_79),`
	`  xAxisTranslation: new Metre(-221.525),`
	`  yAxisTranslation: new Metre(-152.948),`
	`  zAxisTranslation: new Metre(-176.768),`
	`  xAxisRotation: new ArcSecond(-2.3847),`
	`  yAxisRotation: new ArcSecond(-1.3896),`
	`  zAxisRotation: new ArcSecond(-0.877),`
	`  scaleDifference: new PartsPerMillion(-11.4741)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGPF to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGR92

`Geographic2D::fromSRID(Geographic2D::EPSG_RGR92)`

to RGR92 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGR92)`
	`)`

to RGR92 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGR92_LON_LAT)`
	`)`

to RGR92 / UTM zone 39S (Projected)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_39S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGR92 / UTM zone 40S (Projected)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_40S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Reunion 1947 (Geographic2D)

EPSG	PHPCoord

Name: Reunion 1947 to RGR92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REUNION_1947),`
	`  xAxisTranslation: new Metre(-789.524),`
	`  yAxisTranslation: new Metre(626.486),`
	`  zAxisTranslation: new Metre(89.904),`
	`  xAxisRotation: new ArcSecond(-0.6006),`
	`  yAxisRotation: new ArcSecond(-76.7946),`
	`  zAxisRotation: new ArcSecond(10.5788),`
	`  scaleDifference: new PartsPerMillion(32.3241)`
	`)`

Name: RGR92 to Reunion 1947 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REUNION_1947),`
	`  xAxisTranslation: new Metre(-789.99),`
	`  yAxisTranslation: new Metre(627.333),`
	`  zAxisTranslation: new Metre(89.685),`
	`  xAxisRotation: new ArcSecond(-0.6072),`
	`  yAxisRotation: new ArcSecond(-76.8019),`
	`  zAxisRotation: new ArcSecond(10.568),`
	`  scaleDifference: new PartsPerMillion(32.2083)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGR92 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGR92 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGR92_LON_LAT)`

to RGR92 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGR92)`
	`)`

RGRDC 2005

`Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005)`

to Katanga 1955 (Geographic2D)

EPSG	PHPCoord

Name: Katanga 1955 to RGRDC 2005 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga - Lubumbashi area
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955),`
	`  xAxisTranslation: new Metre(102.283),`
	`  yAxisTranslation: new Metre(10.277),`
	`  zAxisTranslation: new Metre(257.396),`
	`  xAxisRotation: new ArcSecond(3.976),`
	`  yAxisRotation: new ArcSecond(0.002),`
	`  zAxisRotation: new ArcSecond(6.203),`
	`  scaleDifference: new PartsPerMillion(-12.315),`
	`  ordinate1OfEvaluationPoint: new Metre(5580868.818),`
	`  ordinate2OfEvaluationPoint: new Metre(2826402.46),`
	`  ordinate3OfEvaluationPoint: new Metre(-1243557.996)`
	`)`

to RGRDC 2005 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGRDC_2005)`
	`)`

to RGRDC 2005 / Congo TM zone 12 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 11°E to 13°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 14 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 13°E to 15°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 16 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 15°E to 17°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 18 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 17°E to 19°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 20 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 19°E to 21°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 22 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 21°E to 23°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 24 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 23°E to 25°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_24),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 26 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 25°E to 27°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 28 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 27°E to 29°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / Congo TM zone 30 (Projected)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - east of 29°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_CONGO_TM_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_`
	`↪2005_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGRDC 2005 / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGSH2020

`Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020)`

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: Nord Sahara 1959 to RGSH2020 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - District 3
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(152.9),`
	`  yAxisTranslation: new Metre(-43.8),`
	`  zAxisTranslation: new Metre(-358.3),`
	`  xAxisRotation: new ArcSecond(-2.714),`
	`  yAxisRotation: new ArcSecond(-1.386),`
	`  zAxisRotation: new ArcSecond(2.788),`
	`  scaleDifference: new PartsPerMillion(6.743)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - In Amenas
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(95.7),`
	`  yAxisTranslation: new Metre(-10.2),`
	`  zAxisTranslation: new Metre(-158.9)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Hassi Bir Reikaz
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(165.914),`
	`  yAxisTranslation: new Metre(70.607),`
	`  zAxisTranslation: new Metre(-305.009)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Hassi Mouina licence area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(169.559),`
	`  yAxisTranslation: new Metre(72.34),`
	`  zAxisTranslation: new Metre(-303.102)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Ahnet licence area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(168.52),`
	`  yAxisTranslation: new Metre(72.05),`
	`  zAxisTranslation: new Metre(-304.3)`
	`)`

Name: Nord Sahara 1959 to RGSH2020 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Ain Tsila
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(181.7),`
	`  yAxisTranslation: new Metre(-64.7),`
	`  zAxisTranslation: new Metre(-247.2)`

to RGSH2020 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGSH2020)`
	`)`

to RGSH2020 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪RGSH2020_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGSH2020 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪RGSH2020_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGSH2020 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RGSH2020 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGSH2020 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGSPM06

`Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06)`

to RGSPM06 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06)`
	`)`

to RGSPM06 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06_LON_LAT)`
	`)`

to RGSPM06 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGSPM06_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGSPM06 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06_LON_LAT)`

to RGSPM06 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06)`
	`)`

RGTAAF07

`Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07)`

to Perroud 1950 (Geographic2D)

EPSG	PHPCoord

Name: Perroud 1950 to RGTAAF07 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land - Petrels island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PERROUD_1950),`
	`  xAxisTranslation: new Metre(-324.912),`
	`  yAxisTranslation: new Metre(-153.282),`
	`  zAxisTranslation: new Metre(-172.026)`
	`)`

to RGTAAF07 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07)`
	`)`

to RGTAAF07 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07_LON_LAT)`
	`)`

to RGTAAF07 / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 39S (Projected)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_39S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 40S (Projected)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_40S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 41S (Projected)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_41S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 42S (Projected)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_42S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 43S (Projected)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_43S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 44S (Projected)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_44S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪RGTAAF07_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RGTAAF07 / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪RGTAAF07_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGTAAF07 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Southern and Antarctic Territories
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGTAAF07 (lon-lat)

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07_LON_LAT)
```

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07)`
	`)`

RGWF96

```
Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96)
```

to RGWF96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96)`
	`)`

to RGWF96 (lon-lat) (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96_LON_LAT)`
	`)`

to RGWF96 / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RGWF96_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RGWF96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Wallis and Futuna
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RGWF96 (lon-lat)

`Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96_LON_LAT)`

to RGWF96 (Geographic2D)

EPSG	PHPCoord

Name: axis order change (2D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96)`
	`)`

RRAF 1991

`Geographic2D::fromSRID(Geographic2D::EPSG_RRAF_1991)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: RRAF 1991 to RGAF09 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGAF09),`
	`  xAxisTranslation: new Metre(0.7696),`
	`  yAxisTranslation: new Metre(-0.8692),`
	`  zAxisTranslation: new Metre(-12.0631),`
	`  xAxisRotation: new ArcSecond(-0.32511),`
	`  yAxisRotation: new ArcSecond(-0.21041),`
	`  zAxisRotation: new ArcSecond(-0.0239),`
	`  scaleDifference: new PartsPerMillion(0.2829)`
	`)`

Name: RRAF 1991 to RGAF09 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and surrounding islands - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGAF09),`
	`  xAxisTranslation: new Metre(1.2239),`
	`  yAxisTranslation: new Metre(2.4156),`
	`  zAxisTranslation: new Metre(-1.7598),`
	`  xAxisRotation: new ArcSecond(0.038),`
	`  yAxisRotation: new ArcSecond(-0.16101),`
	`  zAxisRotation: new ArcSecond(-0.04925),`
	`  scaleDifference: new PartsPerMillion(0.2387)`
	`)`

Name: RRAF 1991 to RGAF09 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin and St Barthelemy - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGAF09),`
	`  xAxisTranslation: new Metre(14.6642),`
	`  yAxisTranslation: new Metre(5.2493),`
	`  zAxisTranslation: new Metre(0.1981),`
	`  xAxisRotation: new ArcSecond(-0.06838),`
	`  yAxisRotation: new ArcSecond(0.09141),`
	`  zAxisRotation: new ArcSecond(-0.58131),`
	`  scaleDifference: new PartsPerMillion(-0.4067)`
	`)`

to RRAF 1991 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RRAF_1991)`
	`)`

to RRAF 1991 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RRAF_`
	`↪1991_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RSAO13

`Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13)`

to Camacupa 1948 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 1948 to RSAO13 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - offshore block 7
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMACUPA_1948),`
	`  xAxisTranslation: new Metre(43),`
	`  yAxisTranslation: new Metre(337),`
	`  zAxisTranslation: new Metre(233)`
	`)`

Name: Camacupa 1948 to RSAO13 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - offshore blocks 1 16 and 18
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMACUPA_1948),`
	`  xAxisTranslation: new Metre(41.057),`
	`  yAxisTranslation: new Metre(374.564),`
	`  zAxisTranslation: new Metre(226.287),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.554),`
	`  scaleDifference: new PartsPerMillion(-0.219)`
	`)`

to Camacupa 2015 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 2015 to RSAO13 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMACUPA_2015),`
	`  xAxisTranslation: new Metre(93.799),`
	`  yAxisTranslation: new Metre(132.737),`
	`  zAxisTranslation: new Metre(219.073),`
	`  xAxisRotation: new ArcSecond(-1.844),`
	`  yAxisRotation: new ArcSecond(0.648),`
	`  zAxisRotation: new ArcSecond(-6.37),`
	`  scaleDifference: new PartsPerMillion(0.169)`
	`)`

to Malongo 1987 (Geographic2D)

EPSG	PHPCoord

Name: Malongo 1987 to RSAO13 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MALONGO_1987),`
	`  xAxisTranslation: new Metre(254.1),`
	`  yAxisTranslation: new Metre(5.36),`
	`  zAxisTranslation: new Metre(100.29)`
	`)`

to RSAO13 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RSAO13)`
	`)`

to RSAO13 / TM 12 SE (Projected)

EPSG	PHPCoord

Name: TM 12 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RSAO13_`
	`↪TM_12_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RSAO13 / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RSAO13 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to RSAO13 / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RSAO13 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RSRGD2000

`Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000)`

to RSRGD2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RSRGD2000)`
	`)`

to RSRGD2000 / BCLC2000 (Projected)

EPSG	PHPCoord

Name: Borchgrevink Coast Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Borchgrevink Coast region
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RSRGD2000_BCLC2000),`
	`  latitudeOfFalseOrigin: new Degree(-74.5),`
	`  longitudeOfFalseOrigin: new Degree(165),`
	`  latitudeOf1stStandardParallel: new Degree(-73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(5000000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

to RSRGD2000 / DGLC2000 (Projected)

EPSG	PHPCoord

Name: Darwin Glacier Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Darwin Glacier region
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RSRGD2000_DGLC2000),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(157),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to RSRGD2000 / MSLC2000 (Projected)

EPSG	PHPCoord

Name: McMurdo Sound Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - McMurdo Sound region
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RSRGD2000_MSLC2000),`
	`  latitudeOfFalseOrigin: new Degree(-78),`
	`  longitudeOfFalseOrigin: new Degree(163),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(7000000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

to RSRGD2000 / PCLC2000 (Projected)

EPSG	PHPCoord

Name: Pennell Coast Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Pennell Coast region
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_RSRGD2000_PCLC2000),`
	`  latitudeOfFalseOrigin: new Degree(-71.5),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(-70.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-72.333333333333),`
	`  eastingAtFalseOrigin: new Metre(3000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to RSRGD2000 / RSPS2000 (Projected)

EPSG	PHPCoord

Name: Ross Sea Polar Stereographic 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Ross Ice Shelf Region
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_RSRGD2000_RSPS2000),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: RSRGD2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Ross Sea Region
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

RT38

`Geographic2D::fromSRID(Geographic2D::EPSG_RT38)`

to RT38 (Stockholm) (Geographic2D)

EPSG	PHPCoord

Name: RT38 (Stockholm) to RT38 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38_STOCKHOLM),`
	`  longitudeOffset: new Degree(-18.058277777778)`
	`)`

to RT38 0 gon (Projected)

EPSG	PHPCoord

Name: Sweden zone 0 gon
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 0 gon
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT38_0_GON),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.058277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT38 2.5 gon O (Projected)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT38_2_5_GON_O),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT38 2.5 gon V (Projected)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon W, Sweden - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT38_2_5_GON_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.808277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT38 5 gon O (Projected)

EPSG	PHPCoord

Name: Sweden zone 5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT38_5_GON_O),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT38 5 gon V (Projected)

EPSG	PHPCoord

Name: Sweden zone 5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT38_5_GON_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT38 7.5 gon V (Projected)

EPSG	PHPCoord

Name: Sweden zone 7.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 7.5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT38_7_5_GON_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT38 (Stockholm)

`Geographic2D::fromSRID(Geographic2D::EPSG_RT38_STOCKHOLM)`

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: RT38 (Stockholm) to RT38 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  longitudeOffset: new Degree(18.058277777778)`
	`)`

RT90

`Geographic2D::fromSRID(Geographic2D::EPSG_RT90)`

to RT90 0 gon (Projected)

EPSG	PHPCoord

Name: Sweden zone 0 gon
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 0 gon
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT90_0_GON),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.058277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT90 2.5 gon O (Projected)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT90_2_5_GON_O),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT90 2.5 gon V (Projected)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon W, Sweden - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT90_2_5_GON_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.808277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT90 5 gon O (Projected)

EPSG	PHPCoord

Name: Sweden zone 5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT90_5_GON_O),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT90 5 gon V (Projected)

EPSG	PHPCoord

Name: Sweden zone 5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT90_5_GON_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to RT90 7.5 gon V (Projected)

EPSG	PHPCoord

Name: Sweden zone 7.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 7.5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_RT90_7_5_GON_V),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 to SWEREF99 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  xAxisTranslation: new Metre(414.1),`
	`  yAxisTranslation: new Metre(41.3),`
	`  zAxisTranslation: new Metre(603.1),`
	`  xAxisRotation: new ArcSecond(0.855),`
	`  yAxisRotation: new ArcSecond(-2.141),`
	`  zAxisRotation: new ArcSecond(7.023),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

Rassadiran

`Geographic2D::fromSRID(Geographic2D::EPSG_RASSADIRAN)`

to Rassadiran / Nakhl e Taqi (Projected)

EPSG	PHPCoord

Name: Nakhl e Taqi Oblique Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Taheri refinery
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_RASSADIRAN_NAKHL_E_TAQI),`
	`  latitudeOfProjectionCentre: new Degree(27.518828805556),`
	`  longitudeOfProjectionCentre: new Degree(52.603539166667),`
	`  azimuthOfInitialLine: new Degree(0.57166119444444),`
	`  angleFromRectifiedToSkewGrid: new Degree(0.57166119444444),`
	`  scaleFactorOnInitialLine: new Unity(0.999895934),`
	`  eastingAtProjectionCentre: new Metre(658377.437),`
	`  northingAtProjectionCentre: new Metre(3044969.194)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Rassadiran to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Taheri refinery
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-133.63),`
	`  yAxisTranslation: new Metre(-157.5),`
	`  zAxisTranslation: new Metre(-158.62)`
	`)`

Reunion 1947

`Geographic2D::fromSRID(Geographic2D::EPSG_REUNION_1947)`

to RGR92 (Geographic2D)

EPSG	PHPCoord

Name: Reunion 1947 to RGR92 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGR92),`
	`  xAxisTranslation: new Metre(789.524),`
	`  yAxisTranslation: new Metre(-626.486),`
	`  zAxisTranslation: new Metre(-89.904),`
	`  xAxisRotation: new ArcSecond(0.6006),`
	`  yAxisRotation: new ArcSecond(76.7946),`
	`  zAxisRotation: new ArcSecond(-10.5788),`
	`  scaleDifference: new PartsPerMillion(-32.3241)`
	`)`

Name: RGR92 to Reunion 1947 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGR92),`
	`  xAxisTranslation: new Metre(789.99),`
	`  yAxisTranslation: new Metre(-627.333),`
	`  zAxisTranslation: new Metre(-89.685),`
	`  xAxisRotation: new ArcSecond(0.6072),`
	`  yAxisRotation: new ArcSecond(76.8019),`
	`  zAxisRotation: new ArcSecond(-10.568),`
	`  scaleDifference: new PartsPerMillion(-32.2083)`
	`)`

to Reunion 1947 / TM Reunion (Projected)

EPSG	PHPCoord

Name: TM Reunion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_REUNION_1947_TM_REUNION),`
	`  latitudeOfNaturalOrigin: new Degree(-21.116666666667),`
	`  longitudeOfNaturalOrigin: new Degree(55.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(160000),`
	`  falseNorthing: new Metre(50000)`
	`)`

Reykjavik 1900

`Geographic2D::fromSRID(Geographic2D::EPSG_REYKJAVIK_1900)`

to Reykjavik 1900 / Lambert 1900 (Projected)

EPSG	PHPCoord

Name: Iceland Lambert 1900
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_REYKJAVIK_1900_LAMBERT_1900),`
	`  latitudeOfNaturalOrigin: new Degree(65),`
	`  longitudeOfNaturalOrigin: new Degree(-19.022125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Reykjavik 1900 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-28),`
	`  yAxisTranslation: new Metre(199),`
	`  zAxisTranslation: new Metre(5)`
	`)`

S-JTSK

`Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK)`

to S-JTSK (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK (Ferro) to S-JTSK (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_FERRO),`
	`  longitudeOffset: new Degree(17.666666666667)`
	`)`

to S-JTSK / Krovak (Projected)

EPSG	PHPCoord

Name: Krovak (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_KROVAK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to S-JTSK / Krovak East North (Projected)

EPSG	PHPCoord

Name: Krovak East North (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_KROVAK_EAST_NORTH),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to S-JTSK [JTSK03] (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK [JTSK03] to S-JTSK (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_JTSK03),`
	`  offsetsFile: NTv2JTSK03JTSKSlovakiaProvider->`
	`↪provideGrid()`
	`)`

to S-JTSK/05 (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK to S-JTSK/05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->geographic2DOffsets(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_05),`
	`  latitudeOffset: new ArcSecond(0),`
	`  longitudeOffset: new ArcSecond(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(589),`
	`  yAxisTranslation: new Metre(76),`
	`  zAxisTranslation: new Metre(480)`
	`)`

S-JTSK (Ferro)

```
Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_FERRO)
```

to S-JTSK (Ferro) / Krovak (Projected)

EPSG	PHPCoord

Name: Krovak
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to S-JTSK (Ferro) / Krovak East North (Projected)

EPSG	PHPCoord

Name: Krovak East North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK_EAST_NORTH),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to S-JTSK (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK (Ferro) to S-JTSK (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK),`
	`  longitudeOffset: new Degree(-17.666666666667)`
	`)`

S-JTSK [JTSK03]

`Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_JTSK03)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S-JTSK [JTSK03] (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(485.014055),`
	`  yAxisTranslation: new Metre(169.473618),`
	`  zAxisTranslation: new Metre(483.842943),`
	`  xAxisRotation: new ArcSecond(-7.78625453),`
	`  yAxisRotation: new ArcSecond(-4.39770887),`
	`  zAxisRotation: new ArcSecond(-4.10248899),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

Name: S-JTSK [JTSK03] to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(485.021),`
	`  yAxisTranslation: new Metre(169.465),`
	`  zAxisTranslation: new Metre(483.839),`
	`  xAxisRotation: new ArcSecond(-7.786342),`
	`  yAxisRotation: new ArcSecond(-4.397554),`
	`  zAxisRotation: new ArcSecond(-4.102655),`
	`  scaleDifference: new PartsPerMillion(0)`
	`)`

to S-JTSK (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK [JTSK03] to S-JTSK (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK),`
	`  offsetsFile: NTv2JTSK03JTSKSlovakiaProvider->provideGrid()`
	`)`

to S-JTSK [JTSK03] / Krovak (Projected)

EPSG	PHPCoord

Name: Krovak (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to S-JTSK [JTSK03] / Krovak East North (Projected)

EPSG	PHPCoord

Name: Krovak East North (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK_EAST_NORTH),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK/05

`Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK/05 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(572.213),`
	`  yAxisTranslation: new Metre(85.334),`
	`  zAxisTranslation: new Metre(461.94),`
	`  xAxisRotation: new ArcSecond(-4.9732),`
	`  yAxisRotation: new ArcSecond(-1.529),`
	`  zAxisRotation: new ArcSecond(-5.2484),`
	`  scaleDifference: new PartsPerMillion(3.5378)`
	`)`

to S-JTSK (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK to S-JTSK/05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->geographic2DOffsets(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK),`
	`  latitudeOffset: new ArcSecond(-0),`
	`  longitudeOffset: new ArcSecond(-0)`
	`)`

to S-JTSK/05 (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK/05 (Ferro) to S-JTSK/05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK_05_FERRO),`
	`  longitudeOffset: new Degree(17.666666666667)`
	`)`

to S-JTSK/05 / Modified Krovak (Projected)

EPSG	PHPCoord

Name: Modified Krovak (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

to S-JTSK/05 / Modified Krovak East North (Projected)

EPSG	PHPCoord

Name: Modified Krovak East North (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK_EAST_NORTH),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

S-JTSK/05 (Ferro)

`Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05_FERRO)`

to S-JTSK/05 (Ferro) / Modified Krovak (Projected)

EPSG	PHPCoord

Name: Modified Krovak
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

to S-JTSK/05 (Ferro) / Modified Krovak East North (Projected)

EPSG	PHPCoord

Name: Modified Krovak East North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Projected::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK_EAST_NORTH),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

to S-JTSK/05 (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK/05 (Ferro) to S-JTSK/05 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05),`
	`  longitudeOffset: new Degree(-17.666666666667)`
	`)`

S34J-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_S34J_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S34J-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland and Funen
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: ETRS89S34JIRFProvider->provideGrid()`
	`)`

to S34J reconstruction east-orientated (Projected)

EPSG	PHPCoord

Name: S34-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_S34J_RECONSTRUCTION_EAST_ORIENTATED),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.37),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-210327),`
	`  falseNorthing: new Metre(-6034310)`
	`)`

S34S-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_S34S_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S34S-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Zealand and Lolland
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: ETRS89S34SIRFProvider->provideGrid()`
	`)`

to S34S reconstruction east-orientated (Projected)

EPSG	PHPCoord

Name: S34-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_S34S_RECONSTRUCTION_EAST_ORIENTATED),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.37),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-210327),`
	`  falseNorthing: new Metre(-6034310)`
	`)`

S45B-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_S45B_IRF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to S45B-IRF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  offsetsFile: ETRS89S45BIRFProvider->provideGrid()`
	`)`

to S45B reconstruction east-orientated (Projected)

EPSG	PHPCoord

Name: S45B-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_S45B_RECONSTRUCTION_EAST_ORIENTATED),`
	`  latitudeOfNaturalOrigin: new Degree(55.11171),`
	`  longitudeOfNaturalOrigin: new Degree(14.88927),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-50000),`
	`  falseNorthing: new Metre(50000)`
	`)`

SAD69

`Geographic2D::fromSRID(Geographic2D::EPSG_SAD69)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1970-72 to SAD69 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72),`
	`  xAxisTranslation: new Metre(138.7),`
	`  yAxisTranslation: new Metre(-164.4),`
	`  zAxisTranslation: new Metre(-34.4)`
	`)`

to SAD69 / Brazil Polyconic (Projected)

EPSG	PHPCoord

Name: Brazil Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->americanPolyconic(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_BRAZIL_POLYCONIC),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SAD69 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SAD69 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SAD69 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SAD69 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SAD69 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SAD69 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69 / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-67.35),`
	`  yAxisTranslation: new Metre(3.88),`
	`  zAxisTranslation: new Metre(-38.22)`
	`)`

Name: SAD69 to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - onshore south of 14°S and east of 53°W
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  offsetsFile: NTv2SAD69SIRGAS2000BrazilProvider-`
	`↪>provideGrid()`
	`)`

to SIRGAS-Chile 2002 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2002 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 32°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-64),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(-32)`
	`)`

Name: SAD69 to SIRGAS-Chile 2002 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-79),`
	`  yAxisTranslation: new Metre(13),`
	`  zAxisTranslation: new Metre(-14)`
	`)`

Name: SAD69 to SIRGAS-Chile 2002 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 32°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-59),`
	`  yAxisTranslation: new Metre(-11),`
	`  zAxisTranslation: new Metre(-52)`
	`)`

Name: SAD69 to SIRGAS-Chile 2002 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2002),`
	`  xAxisTranslation: new Metre(-72),`
	`  yAxisTranslation: new Metre(10),`
	`  zAxisTranslation: new Metre(-32)`
	`)`

to SIRGAS-Chile 2010 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2010 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010),`
	`  xAxisTranslation: new Metre(-79),`
	`  yAxisTranslation: new Metre(13),`
	`  zAxisTranslation: new Metre(-14)`
	`)`

to SIRGAS-Chile 2013 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2013 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013),`
	`  xAxisTranslation: new Metre(-79),`
	`  yAxisTranslation: new Metre(13),`
	`  zAxisTranslation: new Metre(-14)`
	`)`

to SIRGAS-Chile 2016 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2016 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016),`
	`  xAxisTranslation: new Metre(-79),`
	`  yAxisTranslation: new Metre(13),`
	`  zAxisTranslation: new Metre(-14)`
	`)`

to SIRGAS-Chile 2021 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2021 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021),`
	`  xAxisTranslation: new Metre(-79),`
	`  yAxisTranslation: new Metre(13),`
	`  zAxisTranslation: new Metre(-14)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - onshore north of 45°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-57),`
	`  yAxisTranslation: new Metre(1),`
	`  zAxisTranslation: new Metre(-41)`
	`)`

Name: SAD69 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-62),`
	`  yAxisTranslation: new Metre(-1),`
	`  zAxisTranslation: new Metre(-37)`
	`)`

Name: SAD69 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bolivia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-61),`
	`  yAxisTranslation: new Metre(2),`
	`  zAxisTranslation: new Metre(-48)`
	`)`

Name: SAD69 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - onshore south of 14°S and east of 53°W
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-60),`
	`  yAxisTranslation: new Metre(-2),`
	`  zAxisTranslation: new Metre(-41)`
	`)`

Name: SAD69 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-44),`
	`  yAxisTranslation: new Metre(6),`
	`  zAxisTranslation: new Metre(-36)`
	`)`

Name: SAD69 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ecuador - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-48),`
	`  yAxisTranslation: new Metre(3),`
	`  zAxisTranslation: new Metre(-44)`
	`)`

Name: SAD69 to WGS 84 (8)	`$point->geocentricTranslation(`

SAD69(96)

`Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96)`

to SAD69(96) / Brazil Polyconic (Projected)

EPSG	PHPCoord

Name: Brazil Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->americanPolyconic(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_96_BRAZIL_POLYCONIC),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SAD69(96) / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAD69_`
	`↪96_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: SAD69(96) to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - onshore south of 14°S and east of 53°W
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  offsetsFile:␣`
	`↪NTv2SAD6996SIRGAS2000BrazilProvider->`
	`↪provideGrid()`
	`)`

Name: SAD69(96) to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-67.35),`
	`  yAxisTranslation: new Metre(3.88),`
	`  zAxisTranslation: new Metre(-38.22)`
	`)`

SCM22-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_SCM22_IRF)`

to SCM22 Grid (Projected)

EPSG	PHPCoord

Name: SCM22-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Motherwell to Inverness
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SCM22_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(56.6),`
	`  longitudeOfNaturalOrigin: new Degree(-3.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(108600.972),`
	`  falseNorthing: new Metre(239087.349)`
	`)`

SHGD2015

`Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015)`

to Astro DOS 71 (Geographic2D)

EPSG	PHPCoord

Name: Astro DOS 71 to SHGD2015 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ASTRO_DOS_71),`
	`  xAxisTranslation: new Metre(112.854),`
	`  yAxisTranslation: new Metre(-12.27),`
	`  zAxisTranslation: new Metre(18.913),`
	`  xAxisRotation: new ArcSecond(-2.1692),`
	`  yAxisRotation: new ArcSecond(-16.8896),`
	`  zAxisRotation: new ArcSecond(-17.1961),`
	`  scaleDifference: new PartsPerMillion(19.54517)`
	`)`

Name: SHGD2015 to Astro DOS 71 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ASTRO_DOS_71),`
	`  xAxisTranslation: new Metre(112.771),`
	`  yAxisTranslation: new Metre(-12.282),`
	`  zAxisTranslation: new Metre(18.935),`
	`  xAxisRotation: new ArcSecond(-2.1692),`
	`  yAxisRotation: new ArcSecond(-16.8896),`
	`  zAxisRotation: new ArcSecond(-17.1961),`
	`  scaleDifference: new PartsPerMillion(19.54517)`
	`)`

to SHGD2015 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SHGD2015)`
	`)`

to SHMG2015 (Projected)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SHMG2015),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to St. Helena Tritan (Geographic2D)

EPSG	PHPCoord

Name: St. Helena Tritan to SHGD2015 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST_HELENA_TRITAN),`
	`  xAxisTranslation: new Metre(0.077),`
	`  yAxisTranslation: new Metre(-0.079),`
	`  zAxisTranslation: new Metre(-0.086)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SHGD2015 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

SIGD61

`Geographic2D::fromSRID(Geographic2D::EPSG_SIGD61)`

to CIGD11 (Geographic2D)

EPSG	PHPCoord

Name: SIGD61 to CIGD11 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands - Little Cayman and Cayman Brac
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CIGD11),`
	`  xAxisTranslation: new Metre(8.853),`
	`  yAxisTranslation: new Metre(-52.644),`
	`  zAxisTranslation: new Metre(180.304),`
	`  xAxisRotation: new ArcSecond(0.393),`
	`  yAxisRotation: new ArcSecond(2.323),`
	`  zAxisRotation: new ArcSecond(-2.96),`
	`  scaleDifference: new PartsPerMillion(-24.081)`
	`)`

to Sister Islands National Grid 1961 (Projected)

EPSG	PHPCoord

Name: Cayman Islands TM (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SISTER_ISLANDS_NATIONAL_GRID_1961),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Foot(1640419.9475),`
	`  falseNorthing: new Foot(0)`
	`)`

SIRGAS 1995

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 98 to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_98),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ecuador - mainland onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(60.31),`
	`  yAxisTranslation: new Metre(-245.935),`
	`  zAxisTranslation: new Metre(-31.008),`
	`  xAxisRotation: new ArcSecond(12.324),`
	`  yAxisRotation: new ArcSecond(3.755),`
	`  zAxisRotation: new ArcSecond(-7.37),`
	`  scaleDifference: new PartsPerMillion(-0.447)`
	`)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: REGVEN to SIRGAS 1995 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REGVEN),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SIRGAS 1995 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_1995)`
	`)`

to SIRGAS 1995 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 1995 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 1995 / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪1995_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS 1995 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - SIRGAS 1995 by country
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

SIRGAS 2000

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000)`

to Aratu (Geographic2D)

EPSG	PHPCoord

Name: Aratu to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Santos and Pelotas
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  xAxisTranslation: new Metre(157.84),`
	`  yAxisTranslation: new Metre(-308.54),`
	`  zAxisTranslation: new Metre(146.6)`
	`)`

Name: Aratu to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Campos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  xAxisTranslation: new Metre(160.31),`
	`  yAxisTranslation: new Metre(-314.82),`
	`  zAxisTranslation: new Metre(142.25)`
	`)`

Name: Aratu to SIRGAS 2000 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Espirito Santo and Mucuri
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  xAxisTranslation: new Metre(161.11),`
	`  yAxisTranslation: new Metre(-310.25),`
	`  zAxisTranslation: new Metre(144.64)`
	`)`

Name: Aratu to SIRGAS 2000 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Cumuruxatiba, Jequitinhonha and Camamu-Almada
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  xAxisTranslation: new Metre(160.4),`
	`  yAxisTranslation: new Metre(-302.29),`
	`  zAxisTranslation: new Metre(144.19)`
	`)`

Name: Aratu to SIRGAS 2000 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Reconcavo and Jacuipe
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  xAxisTranslation: new Metre(153.54),`
	`  yAxisTranslation: new Metre(-302.33),`
	`  zAxisTranslation: new Metre(152.37)`
	`)`

Name: Aratu to SIRGAS 2000 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Tucano and Jatoba
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  xAxisTranslation: new Metre(151.5),`
	`  yAxisTranslation: new Metre(-300.09),`
	`  zAxisTranslation: new Metre(151.15)`
	`)`

Name: Aratu to SIRGAS 2000 (7)	`$point->geocentricTranslation(`

to Chua (Geographic2D)

EPSG	PHPCoord

Name: Chua to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Distrito Federal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHUA),`
	`  xAxisTranslation: new Metre(144.35),`
	`  yAxisTranslation: new Metre(-242.88),`
	`  zAxisTranslation: new Metre(33.2)`
	`)`

to Corrego Alegre 1961 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1961 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1961
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CORREGO_ALEGRE_1961),`
	`  offsetsFile: NTv2CA61SIRGAS2000BrazilProvider->`
	`↪provideGrid()`
	`)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1970-72 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CORREGO_ALEGRE_1970_72),`
	`  offsetsFile:␣`
	`↪NTv2CA7072SIRGAS2000BrazilProvider->provideGrid()`
	`)`

Name: Corrego Alegre 1970-72 to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CORREGO_ALEGRE_1970_72),`
	`  xAxisTranslation: new Metre(206.05),`
	`  yAxisTranslation: new Metre(-168.28),`
	`  zAxisTranslation: new Metre(3.82)`
	`)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 2007 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_2007),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(67.35),`
	`  yAxisTranslation: new Metre(-3.88),`
	`  zAxisTranslation: new Metre(38.22)`
	`)`

Name: SAD69 to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - onshore south of 14°S and east of 53°W
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  offsetsFile: NTv2SAD69SIRGAS2000BrazilProvider-`
	`↪>provideGrid()`
	`)`

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: SAD69(96) to SIRGAS 2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - onshore south of 14°S and east of 53°W
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69_96),`
	`  offsetsFile:␣`
	`↪NTv2SAD6996SIRGAS2000BrazilProvider->`
	`↪provideGrid()`
	`)`

Name: SAD69(96) to SIRGAS 2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69_96),`
	`  xAxisTranslation: new Metre(67.35),`
	`  yAxisTranslation: new Metre(-3.88),`
	`  zAxisTranslation: new Metre(38.22)`
	`)`

to SIRGAS 2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_2000)`
	`)`

to SIRGAS 2000 / Brazil Mercator (Projected)

EPSG	PHPCoord

Name: Petrobras Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - equatorial margin
	`$point->mercatorVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_BRAZIL_MERCATOR),`
	`  latitudeOf1stStandardParallel: new Degree(-2),`
	`  longitudeOfNaturalOrigin: new Degree(-43),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / Brazil Polyconic (Projected)

EPSG	PHPCoord

Name: Brazil Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->americanPolyconic(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_POLYCONIC),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SIRGAS 2000 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS 2000 / UTM zone 26S (Projected)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪2000_UTM_ZONE_26S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS 2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - SIRGAS 2000 by country
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

SIRGAS-CON DGF00P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF00P01)`

to SIRGAS-CON DGF00P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF00P01)`
	`)`

SIRGAS-CON DGF01P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P01)`

to SIRGAS-CON DGF01P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF01P01)`
	`)`

SIRGAS-CON DGF01P02

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF01P02)`

to SIRGAS-CON DGF01P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF01P01)`
	`)`

SIRGAS-CON DGF02P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF02P01)`

to SIRGAS-CON DGF02P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF02P01)`
	`)`

SIRGAS-CON DGF04P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF04P01)`

to SIRGAS-CON DGF04P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF04P01)`
	`)`

SIRGAS-CON DGF05P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF05P01)`

to SIRGAS-CON DGF05P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF05P01)`
	`)`

SIRGAS-CON DGF06P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF06P01)`

to SIRGAS-CON DGF06P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_DGF06P01)`
	`)`

SIRGAS-CON DGF07P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF07P01)`

to SIRGAS-CON DGF07P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF07P01)`
	`)`

SIRGAS-CON DGF08P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_DGF08P01)`

to SIRGAS-CON DGF08P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF08P01)`
	`)`

SIRGAS-CON SIR09P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR09P01)`

to SIRGAS-CON SIR09P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR09P01)`
	`)`

SIRGAS-CON SIR10P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR10P01)`

to SIRGAS-CON SIR10P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR10P01)`
	`)`

SIRGAS-CON SIR11P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR11P01)`

to SIRGAS-CON SIR11P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR11P01)`
	`)`

SIRGAS-CON SIR13P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR13P01)`

to SIRGAS-CON SIR13P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR13P01)`
	`)`

SIRGAS-CON SIR14P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR14P01)`

to SIRGAS-CON SIR14P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR14P01)`
	`)`

SIRGAS-CON SIR15P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR15P01)`

to SIRGAS-CON SIR15P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR15P01)`
	`)`

SIRGAS-CON SIR17P01

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CON_SIR17P01)`

to SIRGAS-CON SIR17P01 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CON_SIR17P01)`
	`)`

SIRGAS-Chile 2002

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2002 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(302),`
	`  yAxisTranslation: new Metre(-272),`
	`  zAxisTranslation: new Metre(360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2002 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(328),`
	`  yAxisTranslation: new Metre(-340),`
	`  zAxisTranslation: new Metre(329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2002 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(352),`
	`  yAxisTranslation: new Metre(-403),`
	`  zAxisTranslation: new Metre(287)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2002 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 32°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(64),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(32)`
	`)`

Name: SAD69 to SIRGAS-Chile 2002 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(79),`
	`  yAxisTranslation: new Metre(-13),`
	`  zAxisTranslation: new Metre(14)`
	`)`

Name: SAD69 to SIRGAS-Chile 2002 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 32°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(59),`
	`  yAxisTranslation: new Metre(11),`
	`  zAxisTranslation: new Metre(52)`
	`)`

Name: SAD69 to SIRGAS-Chile 2002 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(72),`
	`  yAxisTranslation: new Metre(-10),`
	`  zAxisTranslation: new Metre(32)`
	`)`

to SIRGAS-Chile 2002 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2002)`
	`)`

to SIRGAS-Chile 2002 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪CHILE_2002_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-Chile 2002 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪CHILE_2002_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2010

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2010 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(302),`
	`  yAxisTranslation: new Metre(-272),`
	`  zAxisTranslation: new Metre(360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2010 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(328),`
	`  yAxisTranslation: new Metre(-340),`
	`  zAxisTranslation: new Metre(329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2010 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(352),`
	`  yAxisTranslation: new Metre(-403),`
	`  zAxisTranslation: new Metre(287)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2010 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(79),`
	`  yAxisTranslation: new Metre(-13),`
	`  zAxisTranslation: new Metre(14)`
	`)`

to SIRGAS-Chile 2010 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2010)`
	`)`

to SIRGAS-Chile 2010 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-Chile 2010 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2013

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2013 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(302),`
	`  yAxisTranslation: new Metre(-272),`
	`  zAxisTranslation: new Metre(360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2013 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(328),`
	`  yAxisTranslation: new Metre(-340),`
	`  zAxisTranslation: new Metre(329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2013 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(352),`
	`  yAxisTranslation: new Metre(-403),`
	`  zAxisTranslation: new Metre(287)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2013 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(79),`
	`  yAxisTranslation: new Metre(-13),`
	`  zAxisTranslation: new Metre(14)`
	`)`

to SIRGAS-Chile 2013 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2013)`
	`)`

to SIRGAS-Chile 2013 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-Chile 2013 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2016

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2016 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(302),`
	`  yAxisTranslation: new Metre(-272),`
	`  zAxisTranslation: new Metre(360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2016 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(328),`
	`  yAxisTranslation: new Metre(-340),`
	`  zAxisTranslation: new Metre(329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2016 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(352),`
	`  yAxisTranslation: new Metre(-403),`
	`  zAxisTranslation: new Metre(287)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2016 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(79),`
	`  yAxisTranslation: new Metre(-13),`
	`  zAxisTranslation: new Metre(14)`
	`)`

to SIRGAS-Chile 2016 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_CHILE_2016)`
	`)`

to SIRGAS-Chile 2016 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪CHILE_2016_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-Chile 2016 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪CHILE_2016_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2021

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to SIRGAS-Chile 2021 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore north of 26°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(302),`
	`  yAxisTranslation: new Metre(-272),`
	`  zAxisTranslation: new Metre(360)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2021 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 26°S to 36°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(328),`
	`  yAxisTranslation: new Metre(-340),`
	`  zAxisTranslation: new Metre(329)`
	`)`

Name: PSAD56 to SIRGAS-Chile 2021 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - onshore 36°S to 43.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  xAxisTranslation: new Metre(352),`
	`  yAxisTranslation: new Metre(-403),`
	`  zAxisTranslation: new Metre(287)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to SIRGAS-Chile 2021 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  xAxisTranslation: new Metre(79),`
	`  yAxisTranslation: new Metre(-13),`
	`  zAxisTranslation: new Metre(14)`
	`)`

to SIRGAS-Chile 2021 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2021)`
	`)`

to SIRGAS-Chile 2021 / UTM zone 12S (Projected)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_12S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-Chile 2021 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-Chile 2021 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪CHILE_2021_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-ROU98

`Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_ROU98)`

to SIRGAS-ROU98 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SIRGAS_ROU98)`
	`)`

to SIRGAS-ROU98 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪ROU98_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SIRGAS-ROU98 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIRGAS_`
	`↪ROU98_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS-ROU98 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Uruguay
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to Yacare (Geographic2D)

EPSG	PHPCoord

Name: Yacare to SIRGAS-ROU98 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Uruguay - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪YACARE),`
	`  xAxisTranslation: new Metre(124.45),`
	`  yAxisTranslation: new Metre(-183.74),`
	`  zAxisTranslation: new Metre(-44.64),`
	`  xAxisRotation: new ArcSecond(0.4384),`
	`  yAxisRotation: new ArcSecond(-0.5446),`
	`  zAxisRotation: new ArcSecond(0.9706),`
	`  scaleDifference: new PartsPerMillion(2.1365)`
	`)`

SIRGAS_ES2007.8

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_ES2007_8)
```

to SIRGAS_ES2007.8 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_ES2007_8)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS_ES2007.8 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: El Salvador
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

SLD99

```
Geographic2D::fromSRID(Geographic2D::EPSG_SLD99)
```

to SLD99 / Sri Lanka Grid 1999 (Projected)

EPSG	PHPCoord

Name: Sri Lanka Grid 1999
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SLD99_SRI_LANKA_GRID_1999),`
	`  latitudeOfNaturalOrigin: new Degree(7.0004715277778),`
	`  longitudeOfNaturalOrigin: new Degree(80.771713083333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999238418),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SLD99 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-0.293),`
	`  yAxisTranslation: new Metre(766.95),`
	`  zAxisTranslation: new Metre(87.713),`
	`  xAxisRotation: new ArcSecond(-0.195704),`
	`  yAxisRotation: new ArcSecond(-1.695068),`
	`  zAxisRotation: new ArcSecond(-3.473016),`
	`  scaleDifference: new PartsPerMillion(-0.039338)`
	`)`

SMITB20-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_SMITB20_IRF)`

to SMITB20 Grid (Projected)

EPSG	PHPCoord

Name: SMITB20-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK – Okehampton to Penstone
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SMITB20_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(50.75),`
	`  longitudeOfNaturalOrigin: new Degree(-3.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(110693.666),`
	`  falseNorthing: new Metre(102089.2943)`
	`)`

SRB_ETRS89

`Geographic2D::fromSRID(Geographic2D::EPSG_SRB_ETRS89)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: SRB_ETRS89 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Serbia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to SRB-ETRS89 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Serbia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  xAxisTranslation: new Metre(-577.84843),`
	`  yAxisTranslation: new Metre(-165.45019),`
	`  zAxisTranslation: new Metre(-390.43652),`
	`  xAxisRotation: new ArcSecond(4.93131),`
	`  yAxisRotation: new ArcSecond(-0.96052),`
	`  zAxisRotation: new ArcSecond(-13.05072),`
	`  scaleDifference: new PartsPerMillion(-7.86546)`
	`)`

to SRB_ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SRB_ETRS89)`
	`)`

to SRB_ETRS89 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRB_ETRS89_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SREF98

```
Geographic2D::fromSRID(Geographic2D::EPSG_SREF98)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: SREF98 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Serbia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to SREF98 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SREF98)`
	`)`

SRGI2013

```
Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: DGN95 to SRGI2013 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  xAxisTranslation: new Metre(0.2773),`
	`  yAxisTranslation: new Metre(-0.0534),`
	`  zAxisTranslation: new Metre(-0.4819),`
	`  xAxisRotation: new MicroRadian(-0.0935),`
	`  yAxisRotation: new MicroRadian(0.0286),`
	`  zAxisRotation: new MicroRadian(-0.00969),`
	`  scaleDifference: new PartsPerMillion(0.028)`
	`)`

to SRGI2013 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SRGI2013)`
	`)`

to SRGI2013 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 47S (Projected)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_47S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 51S (Projected)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SRGI2013 / UTM zone 52S (Projected)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to SRGI2013 / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SRGI2013_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ST71 Belep

`Geographic2D::fromSRID(Geographic2D::EPSG_ST71_BELEP)`

to ST71 Belep / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST71_BELEP_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: ST71 Belep to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-480.26),`
	`  yAxisTranslation: new Metre(-438.32),`
	`  zAxisTranslation: new Metre(-643.429),`
	`  xAxisRotation: new ArcSecond(16.3119),`
	`  yAxisRotation: new ArcSecond(20.1721),`
	`  zAxisRotation: new ArcSecond(-4.0349),`
	`  scaleDifference: new PartsPerMillion(-111.7002)`
	`)`

ST84 Ile des Pins

`Geographic2D::fromSRID(Geographic2D::EPSG_ST84_ILE_DES_PINS)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: ST84 Ile des Pins to RGNC91-93 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Ile des Pins
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC91_93),`
	`  xAxisTranslation: new Metre(244.42),`
	`  yAxisTranslation: new Metre(85.352),`
	`  zAxisTranslation: new Metre(168.129),`
	`  xAxisRotation: new ArcSecond(8.936),`
	`  yAxisRotation: new ArcSecond(-7.752),`
	`  zAxisRotation: new ArcSecond(-12.5952),`
	`  scaleDifference: new PartsPerMillion(14.2723)`
	`)`

to ST84 Ile des Pins / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST84_`
	`↪ILE_DES_PINS_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ST87 Ouvea

`Geographic2D::fromSRID(Geographic2D::EPSG_ST87_OUVEA)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: ST87 Ouvea to RGNC91-93 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Ouvea
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC91_93),`
	`  xAxisTranslation: new Metre(-122.386),`
	`  yAxisTranslation: new Metre(-188.707),`
	`  zAxisTranslation: new Metre(103.334),`
	`  xAxisRotation: new ArcSecond(-3.511),`
	`  yAxisRotation: new ArcSecond(4.9665),`
	`  zAxisRotation: new ArcSecond(5.7048),`
	`  scaleDifference: new PartsPerMillion(4.4799)`
	`)`

to ST87 Ouvea / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST87_`
	`↪OUVEA_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SVY21

`Geographic2D::fromSRID(Geographic2D::EPSG_SVY21)`

to SVY21 / Singapore TM (Projected)

EPSG	PHPCoord

Name: Singapore Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Singapore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SVY21_SINGAPORE_TM),`
	`  latitudeOfNaturalOrigin: new Degree(1.3666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(103.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28001.642),`
	`  falseNorthing: new Metre(38744.572)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SVY21 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Singapore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

SWEREF99

`Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99)`

to County ST74 (Projected)

EPSG	PHPCoord

Name: County ST74
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - Stockholm county
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_COUNTY_ST74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.05787),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999506),`
	`  falseEasting: new Metre(100182.7406),`
	`  falseNorthing: new Metre(-6500620.1207)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: RT90 to SWEREF99 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  xAxisTranslation: new Metre(-414.1),`
	`  yAxisTranslation: new Metre(-41.3),`
	`  zAxisTranslation: new Metre(-603.1),`
	`  xAxisRotation: new ArcSecond(-0.855),`
	`  yAxisRotation: new ArcSecond(2.141),`
	`  zAxisRotation: new ArcSecond(-7.023),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to ST74 (Projected)

EPSG	PHPCoord

Name: ST74
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - Stockholm
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.05779),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999425),`
	`  falseEasting: new Metre(100178.1808),`
	`  falseNorthing: new Metre(-6500614.7836)`
	`)`

to SWEREF99 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SWEREF99)`
	`)`

to SWEREF99 / RT90 0 gon emulation (Projected)

EPSG	PHPCoord

Name: RT90 zone 0 gon emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 0 gon
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_0_GON_EMULATION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.0563),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000054),`
	`  falseEasting: new Metre(1500083.521),`
	`  falseNorthing: new Metre(-668.844)`
	`)`

to SWEREF99 / RT90 2.5 gon O emulation (Projected)

EPSG	PHPCoord

Name: RT90 zone 2.5 gon O emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_O_EMULATION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.306316666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000052),`
	`  falseEasting: new Metre(1500102.765),`
	`  falseNorthing: new Metre(-670.706)`
	`)`

to SWEREF99 / RT90 2.5 gon V emulation (Projected)

EPSG	PHPCoord

Name: RT90 zone 2.5 gon V emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_V_EMULATION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.806284529444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000561024),`
	`  falseEasting: new Metre(1500064.274),`
	`  falseNorthing: new Metre(-667.711)`
	`)`

to SWEREF99 / RT90 5 gon O emulation (Projected)

EPSG	PHPCoord

Name: RT90 zone 5 gon O emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_O_EMULATION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22.556333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000049),`
	`  falseEasting: new Metre(1500121.846),`
	`  falseNorthing: new Metre(-672.557)`
	`)`

to SWEREF99 / RT90 5 gon V emulation (Projected)

EPSG	PHPCoord

Name: RT90 zone 5 gon V emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_V_EMULATION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.556266666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000058),`
	`  falseEasting: new Metre(1500044.695),`
	`  falseNorthing: new Metre(-667.13)`
	`)`

to SWEREF99 / RT90 7.5 gon V emulation (Projected)

EPSG	PHPCoord

Name: RT90 zone 7.5 gon V emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 7.5 gon W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_7_5_GON_V_EMULATION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.30625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000006),`
	`  falseEasting: new Metre(1500025.141),`
	`  falseNorthing: new Metre(-667.282)`
	`)`

to SWEREF99 12 00 (Projected)

EPSG	PHPCoord

Name: SWEREF99 12 00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 12 00
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_12_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 13 30 (Projected)

EPSG	PHPCoord

Name: SWEREF99 13 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 13 30
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SWEREF99_13_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 14 15 (Projected)

EPSG	PHPCoord

Name: SWEREF99 14 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 14 15
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_14_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 15 00 (Projected)

EPSG	PHPCoord

Name: SWEREF99 15 00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 15 00
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_15_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 15 45 (Projected)

EPSG	PHPCoord

Name: SWEREF99 15 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 15 45
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_15_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 16 30 (Projected)

EPSG	PHPCoord

Name: SWEREF99 16 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 16 30
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_16_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 17 15 (Projected)

EPSG	PHPCoord

Name: SWEREF99 17 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 17 15
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_17_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 18 00 (Projected)

EPSG	PHPCoord

Name: SWEREF99 18 00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 18 00
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_18_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 18 45 (Projected)

EPSG	PHPCoord

Name: SWEREF99 18 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 18 45
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_18_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 20 15 (Projected)

EPSG	PHPCoord

Name: SWEREF99 20 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 20 15
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_20_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 21 45 (Projected)

EPSG	PHPCoord

Name: SWEREF99 21 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 21 45
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_21_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 23 15 (Projected)

EPSG	PHPCoord

Name: SWEREF99 23 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 23 15
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_23_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

to SWEREF99 TM (Projected)

EPSG	PHPCoord

Name: SWEREF99 TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SWEREF99_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SYC20-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_SYC20_IRF)`

to SYC20 Grid (Projected)

EPSG	PHPCoord

Name: SYC20-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shrewsbury to Crewe
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SYC20_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.9),`
	`  longitudeOfNaturalOrigin: new Degree(-2.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(110094.4312),`
	`  falseNorthing: new Metre(120623.8396)`
	`)`

Saint Pierre et Miquelon 1950

`Geographic2D::fromSRID(Geographic2D::EPSG_SAINT_PIERRE_ET_MIQUELON_1950)`

to Saint Pierre et Miquelon 1950 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAINT_PIERRE_ET_MIQUELON_1950_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Saint Pierre et Miquelon 1950 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Pierre and Miquelon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(11.363),`
	`  yAxisTranslation: new Metre(424.148),`
	`  zAxisTranslation: new Metre(373.13)`
	`)`

Santo 1965

```
Geographic2D::fromSRID(Geographic2D::EPSG_SANTO_1965)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Santo 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vanuatu - northern islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(170),`
	`  yAxisTranslation: new Metre(42),`
	`  zAxisTranslation: new Metre(84)`
	`)`

Sapper Hill 1943

```
Geographic2D::fromSRID(Geographic2D::EPSG_SAPPER_HILL_1943)
```

to Sapper Hill 1943 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAPPER_`
	`↪HILL_1943_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Sapper Hill 1943 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SAPPER_`
	`↪HILL_1943_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Sapper Hill 1943 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Falkland Islands - East Falkland Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-355),`
	`  yAxisTranslation: new Metre(21),`
	`  zAxisTranslation: new Metre(72)`
	`)`

Schwarzeck

`Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK)`

to Schwarzeck / Lo22/11 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - west of 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_11),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/13 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 12°E to 14°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_13),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/15 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 14°E to 16°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_15),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/17 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 16°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_17),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/19 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 18°E to 20°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_19),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/21 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 20°E to 22°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_21),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/23 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 22°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCHWARZECK_LO22_23),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / Lo22/25 (Projected)

EPSG	PHPCoord

Name: South West African Survey Grid zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - east of 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_25),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

to Schwarzeck / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SCHWARZECK_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Schwarzeck to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(615.64),`
	`  yAxisTranslation: new Metre(102.08),`
	`  zAxisTranslation: new Metre(-255.81)`
	`)`

Scoresbysund 1952

`Geographic2D::fromSRID(Geographic2D::EPSG_SCORESBYSUND_1952)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: Scoresbysund 1952 to GR96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Scoresbysund area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  xAxisTranslation: new Metre(105),`
	`  yAxisTranslation: new Metre(326),`
	`  zAxisTranslation: new Metre(-102.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.6)`
	`)`

to Scoresbysund 1952 / Greenland zone 5 east (Projected)

EPSG	PHPCoord

Name: Greenland zone 5 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - east - 69°N to 72°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_5_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(70.5),`
	`  longitudeOfNaturalOrigin: new Degree(-24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Scoresbysund 1952 / Greenland zone 6 east (Projected)

EPSG	PHPCoord

Name: Greenland zone 6 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - east - 66°N to 69°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SCORESBYSUND_1952_GREENLAND_ZONE_6_EAST),`
	`  latitudeOfNaturalOrigin: new Degree(67.5),`
	`  longitudeOfNaturalOrigin: new Degree(-32),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Scoresbysund 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Scoresbysund area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(105),`
	`  yAxisTranslation: new Metre(326),`
	`  zAxisTranslation: new Metre(-102.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.6)`
	`)`

Segara

`Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA)`

to ITRF2014 (Geographic2D)

EPSG	PHPCoord

Name: ITRF2014 to Segara (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan - Mahakam delta
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF2014),`
	`  xAxisTranslation: new Metre(-407.379),`
	`  yAxisTranslation: new Metre(685.226),`
	`  zAxisTranslation: new Metre(52.577),`
	`  xAxisRotation: new ArcSecond(0.318),`
	`  yAxisRotation: new ArcSecond(-0.107),`
	`  zAxisRotation: new ArcSecond(0.058),`
	`  scaleDifference: new PartsPerMillion(-0.207)`
	`)`

to Segara (Jakarta) (Geographic2D)

EPSG	PHPCoord

Name: Segara (Jakarta) to Segara (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan E
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SEGARA_JAKARTA),`
	`  longitudeOffset: new Degree(-106.80771944444)`
	`)`

to Segara / NEIEZ (Projected)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_SEGARA_`
	`↪NEIEZ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(110),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

to Segara / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SEGARA_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Segara to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan E
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-403),`
	`  yAxisTranslation: new Metre(684),`
	`  zAxisTranslation: new Metre(41)`
	`)`

Name: Segara to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan SE
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-387.06),`
	`  yAxisTranslation: new Metre(636.53),`
	`  zAxisTranslation: new Metre(46.29)`
	`)`

Name: Segara to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - northeast Kalimantan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-403.4),`
	`  yAxisTranslation: new Metre(681.12),`
	`  zAxisTranslation: new Metre(46.56)`
	`)`

Segara (Jakarta)

`Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA_JAKARTA)`

to Segara (Geographic2D)

EPSG	PHPCoord

Name: Segara (Jakarta) to Segara (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan E
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA),`
	`  longitudeOffset: new Degree(106.80771944444)`
	`)`

to Segara (Jakarta) / NEIEZ (Projected)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone (Jkt)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_SEGARA_JAKARTA_NEIEZ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3.1922805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Selvagem Grande

`Geographic2D::fromSRID(Geographic2D::EPSG_SELVAGEM_GRANDE)`

to Selvagem Grande / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SELVAGEM_GRANDE_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Selvagem Grande to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Selvagens onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-289),`
	`  yAxisTranslation: new Metre(-124),`
	`  zAxisTranslation: new Metre(60)`
	`)`

ShAb07-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_SHAB07_IRF)`

to ShAb07 Grid (Projected)

EPSG	PHPCoord

Name: ShAb07-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shrewsbury to Aberystwyth
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SHAB07_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(52.6),`
	`  longitudeOfNaturalOrigin: new Degree(-3.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56023.5377),`
	`  falseNorthing: new Metre(24567.6764)`
	`)`

Sibun Gorge 1922

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIBUN_GORGE_1922)
```

to Sibun Gorge 1922 / Colony Grid (Projected)

EPSG	PHPCoord

Name: Belize Colony Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belize - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIBUN_GORGE_1922_COLONY_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(17.061241944444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.6318575),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new ClarkeFoot(217259.26),`
	`  falseNorthing: new ClarkeFoot(445474.83)`
	`)`

Sierra Leone 1924

```
Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1924)
```

to Sierra Leone 1924 / New Colony Grid (Projected)

EPSG	PHPCoord

Name: Sierra Leone New Colony Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sierra Leone - Freetown Peninsula
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_COLONY_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(6.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GoldCoastFoot(500000),`
	`  falseNorthing: new GoldCoastFoot(0)`
	`)`

to Sierra Leone 1924 / New War Office Grid (Projected)

EPSG	PHPCoord

Name: New War Office Sierra Leone Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sierra Leone - Freetown Peninsula
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_WAR_OFFICE_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(6.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GoldCoastFoot(800000),`
	`  falseNorthing: new GoldCoastFoot(600000)`
	`)`

Sierra Leone 1968

`Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1968)`

to Sierra Leone 1968 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Sierra Leone 1968 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Sierra Leone 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sierra Leone - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-88),`
	`  yAxisTranslation: new Metre(4),`
	`  zAxisTranslation: new Metre(101)`
	`)`

Slovenia 1996

`Geographic2D::fromSRID(Geographic2D::EPSG_SLOVENIA_1996)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Slovenia 1996 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to Slovenia 1996 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - west of 14°30'E onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-315.393),`
	`  yAxisTranslation: new Metre(-186.223),`
	`  zAxisTranslation: new Metre(-499.609),`
	`  xAxisRotation: new ArcSecond(6.445954),`
	`  yAxisRotation: new ArcSecond(8.131631),`
	`  zAxisRotation: new ArcSecond(-13.208641),`
	`  scaleDifference: new PartsPerMillion(-23.`
	`↪449046)`
	`)`

Name: MGI 1901 to Slovenia 1996 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - NE
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-464.939),`
	`  yAxisTranslation: new Metre(21.478),`
	`  zAxisTranslation: new Metre(-504.497),`
	`  xAxisRotation: new ArcSecond(-0.403),`
	`  yAxisRotation: new ArcSecond(4.228747),`
	`  zAxisRotation: new ArcSecond(-9.954942),`
	`  scaleDifference: new PartsPerMillion(-12.`
	`↪795378)`
	`)`

Name: MGI 1901 to Slovenia 1996 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - SE
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-459.968),`
	`  yAxisTranslation: new Metre(-82.193),`
	`  zAxisTranslation: new Metre(-458.756),`
	`  xAxisRotation: new ArcSecond(3.565234),`
	`  yAxisRotation: new ArcSecond(3.700593),`
	`  zAxisRotation: new ArcSecond(-10.860523),`
	`  scaleDifference: new PartsPerMillion(-15.`
	`↪507563)`
	`)`

Name: MGI 1901 to Slovenia 1996 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - southeastern
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-427.914),`
	`  yAxisTranslation: new Metre(-105.528),`
	`  zAxisTranslation: new Metre(-510.908),`
	`  xAxisRotation: new ArcSecond(4.992523),`
	`  yAxisRotation: new ArcSecond(5.898813),`
	`  zAxisRotation: new ArcSecond(-10.306673),`
	`  scaleDifference: new PartsPerMillion(-12.`
	`↪431493)`
	`)`

to Slovenia 1996 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪SLOVENIA_1996)`
	`)`

to Slovenia 1996 / Slovene National Grid (Projected)

EPSG	PHPCoord

Name: Slovene National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SLOVENIA_1996_SLOVENE_NATIONAL_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

to Slovenia 1996 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪SLOVENIA_1996_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Solomon 1968

`Geographic2D::fromSRID(Geographic2D::EPSG_SOLOMON_1968)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Solomon 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Solomon Islands - New Georgia - Ghizo (Gizo)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(230),`
	`  yAxisTranslation: new Metre(-199),`
	`  zAxisTranslation: new Metre(-752)`
	`)`

Name: Solomon 1968 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Solomon Islands - Guadalcanal Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(252),`
	`  yAxisTranslation: new Metre(-209),`
	`  zAxisTranslation: new Metre(-751)`
	`)`

South East Island 1943

`Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_EAST_ISLAND_1943)`

to South East Island 1943 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SOUTH_`
	`↪EAST_ISLAND_1943_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: South East Island 1943 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Seychelles - Seychelles Bank
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-76.269),`
	`  yAxisTranslation: new Metre(-16.683),`
	`  zAxisTranslation: new Metre(68.562),`
	`  xAxisRotation: new ArcSecond(-6.275),`
	`  yAxisRotation: new ArcSecond(10.536),`
	`  zAxisRotation: new ArcSecond(-4.286),`
	`  scaleDifference: new PartsPerMillion(-13.686)`
	`)`

South Georgia 1968

`Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_GEORGIA_1968)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: South Georgia 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Georgia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-794),`
	`  yAxisTranslation: new Metre(119),`
	`  zAxisTranslation: new Metre(-298)`
	`)`

South Yemen

`Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_YEMEN)`

to South Yemen / Gauss-Kruger zone 8 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to South Yemen / Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: South Yemen to Yemen NGN96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Yemen - South Yemen - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96),`
	`  xAxisTranslation: new Metre(-76),`
	`  yAxisTranslation: new Metre(-138),`
	`  zAxisTranslation: new Metre(67)`
	`)`

St. George Island

`Geographic2D::fromSRID(Geographic2D::EPSG_ST_GEORGE_ISLAND)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: St. George Island to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - St. George Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeDifferenceFile: NADCON5SG1952NAD831986StGeorgeLatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5SG1952NAD831986StGeorgeLongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

St. Helena Tritan

`Geographic2D::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN)`

to SHGD2015 (Geographic2D)

EPSG	PHPCoord

Name: St. Helena Tritan to SHGD2015 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015),`
	`  xAxisTranslation: new Metre(-0.077),`
	`  yAxisTranslation: new Metre(0.079),`
	`  zAxisTranslation: new Metre(0.086)`
	`)`

to St. Helena Tritan (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ST_HELENA_TRITAN)`
	`)`

to St. Helena Tritan / SHLG(Tritan) (Projected)

EPSG	PHPCoord

Name: St. Helena Local Grid (Tritan)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_SHLG_TRITAN),`
	`  latitudeOfNaturalOrigin: new Degree(-15.966666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-5.7166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(299483.737),`
	`  falseNorthing: new Metre(2000527.879)`
	`)`

to St. Helena Tritan / UTM zone 30S (Projected)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_UTM_ZONE_30S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

St. Kitts 1955

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_KITTS_1955)
```

to St. Kitts 1955 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST_`
	`↪KITTS_1955_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: St. Kitts 1955 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Kitts and Nevis - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(9),`
	`  yAxisTranslation: new Metre(183),`
	`  zAxisTranslation: new Metre(236)`
	`)`

St. Lawrence Island

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_LAWRENCE_ISLAND)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: St. Lawrence Island to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - St. Lawrence Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeDifferenceFile: NADCON5SL1952NAD831986StLawrenceLatitudeProvider->provideGrid(),`
	`  longitudeDifferenceFile: NADCON5SL1952NAD831986StLawrenceLongitudeProvider->provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

St. Lucia 1955

`Geographic2D::fromSRID(Geographic2D::EPSG_ST_LUCIA_1955)`

to St. Lucia 1955 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST_LUCIA_1955_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: St. Lucia 1955 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Lucia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-153),`
	`  yAxisTranslation: new Metre(153),`
	`  zAxisTranslation: new Metre(307)`
	`)`

St. Paul Island

`Geographic2D::fromSRID(Geographic2D::EPSG_ST_PAUL_ISLAND)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: St. Paul Island to NAD83 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - St. Paul Island
	`$point->offsetsFromGridNADCON5(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeDifferenceFile:␣`
	`↪NADCON5SP1952NAD831986StPaulLatitudeProvider->`
	`↪provideGrid(),`
	`  longitudeDifferenceFile:␣`
	`↪NADCON5SP1952NAD831986StPaulLongitudeProvider->`
	`↪provideGrid(),`
	`  ellipsoidalHeightDifferenceFile: ''`
	`)`

St. Stephen (Ferro)

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_STEPHEN_FERRO)
```

to St. Stephen Grid (Ferro) (Projected)

EPSG	PHPCoord

Name: St. Stephen Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Lower Austria and Moravia
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_ST_`
	`↪STEPHEN_GRID_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪208761111111),`
	`  longitudeOfNaturalOrigin: new Degree(34.`
	`↪040922222222),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

St. Vincent 1945

```
Geographic2D::fromSRID(Geographic2D::EPSG_ST_VINCENT_1945)
```

to St. Vincent 45 / British West Indies Grid (Projected)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ST_`
	`↪VINCENT_45_BRITISH_WEST_INDIES_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: St. Vincent 1945 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Vincent and the Grenadines - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(195.671),`
	`  yAxisTranslation: new Metre(332.517),`
	`  zAxisTranslation: new Metre(274.607)`
	`)`

TC(1948)

`Geographic2D::fromSRID(Geographic2D::EPSG_TC_1948)`

to TC(1948) / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TC_`
	`↪1948_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TC(1948) / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TC_`
	`↪1948_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TGD2005

`Geographic2D::fromSRID(Geographic2D::EPSG_TGD2005)`

to TGD2005 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_TGD2005)`
	`)`

to TGD2005 / Tonga Map Grid (Projected)

EPSG	PHPCoord

Name: Tonga Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tonga
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TGD2005_TONGA_MAP_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(5000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TGD2005 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tonga
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

TM65

```
Geographic2D::fromSRID(Geographic2D::EPSG_TM65)
```

to TM65 / Irish Grid (Projected)

EPSG	PHPCoord

Name: Irish Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TM65_IRISH_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(250000)`
	`)`

TM75

```
Geographic2D::fromSRID(Geographic2D::EPSG_TM75)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: TM75 to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->generalPolynomial(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  ordinate1OfEvaluationPointInSourceCRS: new Degree(53.5),`
	`  ordinate2OfEvaluationPointInSourceCRS: new Degree(-7.7),`
	`  ordinate1OfEvaluationPointInTargetCRS: new Degree(53.5),`
	`  ordinate2OfEvaluationPointInTargetCRS: new Degree(-7.7),`
	`  scalingFactorForSourceCRSCoordDifferences: new Unity(0.1),`
	`  scalingFactorForTargetCRSCoordDifferences: new Unity(3600),`
	`  A0: new Coefficient(0.763),`
	`  Au1v0: new Coefficient(-4.487),`
	`  Au0v1: new Coefficient(0.123),`
	`  Au2v0: new Coefficient(0.215),`
	`  Au1v1: new Coefficient(-0.515),`
	`  Au0v2: new Coefficient(0.183),`
	`  Au3v0: new Coefficient(-0.265),`
	`  Au2v1: new Coefficient(-0.57),`
	`  Au1v2: new Coefficient(0.414),`
	`  Au0v3: new Coefficient(-0.374),`
	`  Au3v1: new Coefficient(2.852),`
	`  Au2v2: new Coefficient(5.703),`
	`  Au1v3: new Coefficient(13.11),`
	`  Au3v2: new Coefficient(-61.678),`
	`  Au2v3: new Coefficient(113.743),`
	`  Au3v3: new Coefficient(-265.898),`
	`  B0: new Coefficient(-2.81),`
	`  Bu1v0: new Coefficient(-0.341),`
	`  Bu0v1: new Coefficient(-4.68),`
	`  Bu2v0: new Coefficient(1.196),`
	`  Bu1v1: new Coefficient(-0.119),`
	`  Bu0v2: new Coefficient(0.17),`
	`  Bu3v0: new Coefficient(-0.887),`
	`  Bu2v1: new Coefficient(4.877),`
	`  Bu1v2: new Coefficient(3.913),`
	`  Bu0v3: new Coefficient(2.163),`
	`  Bu3v1: new Coefficient(-46.666),`
	`  Bu2v2: new Coefficient(-27.795),`
	`  Bu1v3: new Coefficient(18.867),`
	`  Bu3v2: new Coefficient(-95.377),`
	`  Bu2v3: new Coefficient(-284.294),`
	`  Bu3v3: new Coefficient(-853.95)`
	`)`

Name: TM75 to ETRS89 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(482.5),`

to TM75 / Irish Grid (Projected)

EPSG	PHPCoord

Name: Irish Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TM75_IRISH_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(250000)`
	`)`

TPEN11-IRF

`Geographic2D::fromSRID(Geographic2D::EPSG_TPEN11_IRF)`

to TPEN11 Grid (Projected)

EPSG	PHPCoord

Name: TPEN11-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Liverpool to Leeds
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TPEN11_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-2.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(203252.175),`
	`  falseNorthing: new Metre(407512.765)`
	`)`

TUREF

`Geographic2D::fromSRID(Geographic2D::EPSG_TUREF)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: TUREF to ETRS89 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Turkey
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  xAxisTranslation: new Metre(0.023),`
	`  yAxisTranslation: new Metre(0.036),`
	`  zAxisTranslation: new Metre(-0.068),`
	`  xAxisRotation: new ArcSecond(0.00176),`
	`  yAxisRotation: new ArcSecond(0.00912),`
	`  zAxisRotation: new ArcSecond(-0.01136),`
	`  scaleDifference: new PartsPerMillion(0.00439)`
	`)`

to TUREF (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_TUREF)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 10 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 11 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 12 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / 3-degree Gauss-Kruger zone 9 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪3_DEGREE_GAUSS_KRUGER_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / LAEA Europe (Projected)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

to TUREF / LCC Europe (Projected)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_LCC_EUROPE),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

to TUREF / TM27 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_TM27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / TM30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪TM30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / TM33 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪TM33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / TM36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪TM36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / TM39 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪TM39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / TM42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪TM42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TUREF / TM45 (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TUREF_`
	`↪TM45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TWD67

`Geographic2D::fromSRID(Geographic2D::EPSG_TWD67)`

to TWD67 / TM2 zone 119 (Projected)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 119
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 118°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_119),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TWD67 / TM2 zone 121 (Projected)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 121
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 120°E to 122°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_121),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

TWD97

`Geographic2D::fromSRID(Geographic2D::EPSG_TWD97)`

to TWD97 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_TWD97)`
	`)`

to TWD97 / TM2 zone 119 (Projected)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 119
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 118°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_119),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to TWD97 / TM2 zone 121 (Projected)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 121
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 120°E to 122°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_121),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TWD97 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

Tahaa 54

`Geographic2D::fromSRID(Geographic2D::EPSG_TAHAA_54)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: Tahaa 54 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea, Tahaa
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  xAxisTranslation: new Metre(72.438),`
	`  yAxisTranslation: new Metre(345.918),`
	`  zAxisTranslation: new Metre(79.486),`
	`  xAxisRotation: new ArcSecond(-1.6045),`
	`  yAxisRotation: new ArcSecond(-0.8823),`
	`  zAxisRotation: new ArcSecond(-0.5565),`
	`  scaleDifference: new PartsPerMillion(1.3746)`
	`)`

to Tahaa 54 / UTM zone 5S (Projected)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TAHAA_`
	`↪54_UTM_ZONE_5S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tahiti 52

`Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_52)`

to Tahiti 52 / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TAHITI_`
	`↪52_UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tahiti 52 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Moorea and Tahiti
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(162),`
	`  yAxisTranslation: new Metre(117),`
	`  zAxisTranslation: new Metre(154)`
	`)`

Tahiti 79

```
Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_79)
```

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: Tahiti 79 to RGPF (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Tahiti
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  xAxisTranslation: new Metre(221.525),`
	`  yAxisTranslation: new Metre(152.948),`
	`  zAxisTranslation: new Metre(176.768),`
	`  xAxisRotation: new ArcSecond(2.3847),`
	`  yAxisRotation: new ArcSecond(1.3896),`
	`  zAxisRotation: new ArcSecond(0.877),`
	`  scaleDifference: new PartsPerMillion(11.4741)`
	`)`

to Tahiti 79 / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TAHITI_79_UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tananarive

```
Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE)
```

to Tananarive (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Tananarive (Paris) to Tananarive (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TANANARIVE_PARIS),`
	`  longitudeOffset: new Grad(-2.5969213)`
	`)`

to Tananarive / Laborde Grid (Projected)

EPSG	PHPCoord

Name: Laborde Grid (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->obliqueMercatorLaborde(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TANANARIVE_LABORDE_GRID),`
	`  latitudeOfProjectionCentre: new Degree(-18.9),`
	`  longitudeOfProjectionCentre: new Degree(46.`
	`↪437229166667),`
	`  azimuthOfInitialLine: new Degree(18.9),`
	`  scaleFactorOnInitialLine: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to Tananarive / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TANANARIVE_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Tananarive / UTM zone 39S (Projected)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_39S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tananarive to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-198.383),`
	`  yAxisTranslation: new Metre(-240.517),`
	`  zAxisTranslation: new Metre(-107.909)`
	`)`

Tananarive (Paris)

`Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE_PARIS)`

to Tananarive (Geographic2D)

EPSG	PHPCoord

Name: Tananarive (Paris) to Tananarive (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE),`
	`  longitudeOffset: new Grad(2.5969213)`
	`)`

to Tananarive (Paris) / Laborde Grid (Projected)

EPSG	PHPCoord

Name: Laborde Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->obliqueMercatorLaborde(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TANANARIVE_PARIS_LABORDE_GRID),`
	`  latitudeOfProjectionCentre: new Grad(-21),`
	`  longitudeOfProjectionCentre: new Grad(49),`
	`  azimuthOfInitialLine: new Grad(21),`
	`  scaleFactorOnInitialLine: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

to Tananarive (Paris) / Laborde Grid approximation (Projected)

EPSG	PHPCoord

Name: Laborde Grid approximation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TANANARIVE_PARIS_LABORDE_GRID_APPROXIMATION),`
	`  latitudeOfProjectionCentre: new Grad(-21),`
	`  longitudeOfProjectionCentre: new Grad(49),`
	`  azimuthOfInitialLine: new Grad(21),`
	`  angleFromRectifiedToSkewGrid: new Grad(21),`
	`  scaleFactorOnInitialLine: new Unity(0.9995),`
	`  eastingAtProjectionCentre: new Metre(400000),`
	`  northingAtProjectionCentre: new Metre(800000)`
	`)`

Tapi Aike

`Geographic2D::fromSRID(Geographic2D::EPSG_TAPI_AIKE)`

to Tapi Aike / Argentina 1 (Projected)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_1),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tapi Aike / Argentina 2 (Projected)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_2),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tapi Aike to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - south Santa Cruz
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-192.26),`
	`  yAxisTranslation: new Metre(65.72),`
	`  zAxisTranslation: new Metre(132.08)`
	`)`

Tern Island 1961

```
Geographic2D::fromSRID(Geographic2D::EPSG_TERN_ISLAND_1961)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tern Island 1961 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Tern Island and Sorel Atoll
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(114),`
	`  yAxisTranslation: new Metre(-116),`
	`  zAxisTranslation: new Metre(-333)`
	`)`

Tete

```
Geographic2D::fromSRID(Geographic2D::EPSG_TETE)
```

to Moznet (Geographic2D)

EPSG	PHPCoord

Name: Tete to Moznet (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - A
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOZNET),`
	`  xAxisTranslation: new Metre(-82.875),`
	`  yAxisTranslation: new Metre(-57.097),`
	`  zAxisTranslation: new Metre(-156.768),`
	`  xAxisRotation: new ArcSecond(2.158),`
	`  yAxisRotation: new ArcSecond(-1.524),`
	`  zAxisRotation: new ArcSecond(0.982),`
	`  scaleDifference: new PartsPerMillion(-0.359)`
	`)`

Name: Tete to Moznet (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - B
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOZNET),`
	`  xAxisTranslation: new Metre(-138.527),`
	`  yAxisTranslation: new Metre(-91.999),`
	`  zAxisTranslation: new Metre(-114.591),`
	`  xAxisRotation: new ArcSecond(0.14),`
	`  yAxisRotation: new ArcSecond(-3.363),`
	`  zAxisRotation: new ArcSecond(2.217),`
	`  scaleDifference: new PartsPerMillion(11.748)`
	`)`

Name: Tete to Moznet (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - C
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOZNET),`
	`  xAxisTranslation: new Metre(-73.472),`
	`  yAxisTranslation: new Metre(-51.66),`
	`  zAxisTranslation: new Metre(-112.482),`
	`  xAxisRotation: new ArcSecond(-0.953),`
	`  yAxisRotation: new ArcSecond(-4.6),`
	`  zAxisRotation: new ArcSecond(2.368),`
	`  scaleDifference: new PartsPerMillion(0.586)`
	`)`

Name: Tete to Moznet (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - D
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOZNET),`
	`  xAxisTranslation: new Metre(219.315),`
	`  yAxisTranslation: new Metre(168.975),`
	`  zAxisTranslation: new Metre(-166.145),`
	`  xAxisRotation: new ArcSecond(-0.198),`
	`  yAxisRotation: new ArcSecond(-5.926),`
	`  zAxisRotation: new ArcSecond(2.356),`
	`  scaleDifference: new PartsPerMillion(-57.104)`
	`)`

to Tete / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TETE_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to Tete / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TETE_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Timbalai 1948

`Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948)`

to GDBD2009 (Geographic2D)

EPSG	PHPCoord

Name: Timbalai 1948 to GDBD2009 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brunei
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDBD2009),`
	`  xAxisTranslation: new Metre(-689.5937),`
	`  yAxisTranslation: new Metre(623.84046),`
	`  zAxisTranslation: new Metre(-65.93566),`
	`  xAxisRotation: new ArcSecond(0.02331),`
	`  yAxisRotation: new ArcSecond(-1.17094),`
	`  zAxisRotation: new ArcSecond(0.80054),`
	`  scaleDifference: new PartsPerMillion(5.88536)`
	`)`

to Timbalai 1948 / RSO Borneo (ch) (Projected)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Borneo Grid (chain)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_CH),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  eastingAtProjectionCentre: new␣BritishChain1922Sears(29352.4763),`
	`  northingAtProjectionCentre: new␣BritishChain1922Sears(22014.3572)`
	`)`

to Timbalai 1948 / RSO Borneo (ftSe) (Projected)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Borneo Grid (foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - East Malaysia
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_FTSE),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  eastingAtProjectionCentre: new BritishFoot1922Sears(1937263.44),`
	`  northingAtProjectionCentre: new BritishFoot1922Sears(1452947.58)`
	`)`

to Timbalai 1948 / RSO Borneo (m) (Projected)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Borneo Grid (metre)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_M),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  eastingAtProjectionCentre: new Metre(590476.87),`
	`  northingAtProjectionCentre: new Metre(442857.65)`
	`)`

to Timbalai 1948 / RSO Sarawak LSD (m) (Projected)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Sarawak LSD (metre)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - East Malaysia - Sarawak onshore
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TIMBALAI_1948_RSO_SARAWAK_LSD_M),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.`
	`↪315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.`
	`↪130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(5000000)`
	`)`

to Timbalai 1948 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TIMBALAI_1948_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Timbalai 1948 / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪TIMBALAI_1948_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo

`Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Tokyo to JGD2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2000),`
	`  xAxisTranslation: new Metre(-146.414),`
	`  yAxisTranslation: new Metre(507.337),`
	`  zAxisTranslation: new Metre(680.507)`
	`)`

Name: Tokyo to JGD2000 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2000),`
	`  offsetsFile: NTv2TokyoJGD2000JapanProvider->`
	`↪provideGrid()`
	`)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Tokyo to JGD2011 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan onshore excluding northern main province
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  offsetsFile: NTv2TokyoJGD2000JapanProvider->provideGrid()`
	`)`

to Tokyo / Japan Plane Rectangular CS I (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone I
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_I),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(129.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS II (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone II
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_II),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS III (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone III
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_III),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(132.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS IV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IV),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS IX (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IX
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IX),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(139.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS V (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone V
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_V),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(134.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS VI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VI),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS VII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VII),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(137.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS VIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_VIII),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(138.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS X (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone X
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone X
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_X),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(140.`
	`↪83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XI),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(140.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XII),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(142.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XIII),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(144.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XIV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XIV),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XIX (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XIX),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XV (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XV
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XV),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XVI (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVI
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XVI),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(124),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XVII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XVII),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / Japan Plane Rectangular CS XVIII (Projected)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVIII
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪JAPAN_PLANE_RECTANGULAR_CS_XVIII),`
	`  latitudeOfNaturalOrigin: new Degree(20),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / UTM zone 53N (Projected)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_53N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Tokyo 1892 (Geographic2D)

EPSG	PHPCoord

Name: Tokyo 1892 to Tokyo (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Japan and Korea
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892),`
	`  longitudeOffset: new ArcSecond(-10.405)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tokyo to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore mainland and adjacent islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-148),`
	`  yAxisTranslation: new Metre(507),`
	`  zAxisTranslation: new Metre(685)`
	`)`

Name: Tokyo to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Okinawa
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-158),`
	`  yAxisTranslation: new Metre(507),`
	`  zAxisTranslation: new Metre(676)`
	`)`

Name: Tokyo to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-147),`
	`  yAxisTranslation: new Metre(506),`
	`  zAxisTranslation: new Metre(687)`
	`)`

Tokyo 1892

`Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892)`

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Tokyo 1892 to Korean 1985 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOREAN_1985),`
	`  longitudeOffset: new ArcSecond(10.405)`
	`)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Tokyo 1892 to Tokyo (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Japan and Korea
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  longitudeOffset: new ArcSecond(10.405)`
	`)`

to Tokyo 1892 / Korea Central Belt (Projected)

EPSG	PHPCoord

Name: Korea Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 126°E to 128°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_CENTRAL_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Tokyo 1892 / Korea East Belt (Projected)

EPSG	PHPCoord

Name: Korea East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 128°E to 130°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Tokyo 1892 / Korea East Sea Belt (Projected)

EPSG	PHPCoord

Name: Korea East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - east of 130°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪1892_KOREA_EAST_SEA_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to Tokyo 1892 / Korea West Belt (Projected)

EPSG	PHPCoord

Name: Korea West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - west of 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_TOKYO_`
	`↪1892_KOREA_WEST_BELT),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Trinidad 1903

`Geographic2D::fromSRID(Geographic2D::EPSG_TRINIDAD_1903)`

to Trinidad 1903 / Trinidad Grid (Projected)

EPSG	PHPCoord

Name: Trinidad Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(10.441666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-61.333333333333),`
	`  falseEasting: new ClarkeLink(430000),`
	`  falseNorthing: new ClarkeLink(325000)`
	`)`

to Trinidad 1903 / Trinidad Grid (ftCla) (Projected)

EPSG	PHPCoord

Name: Trinidad Grid (Clarke's foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID_FTCLA),`
	`  latitudeOfNaturalOrigin: new Degree(10.441666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-61.333333333333),`
	`  falseEasting: new ClarkeFoot(283800),`
	`  falseNorthing: new ClarkeFoot(214500)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Trinidad 1903 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-61.702),`
	`  yAxisTranslation: new Metre(284.488),`
	`  zAxisTranslation: new Metre(472.052)`
	`)`

Tristan 1968

```
Geographic2D::fromSRID(Geographic2D::EPSG_TRISTAN_1968)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tristan 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - Tristan da Cunha
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-632),`
	`  yAxisTranslation: new Metre(438),`
	`  zAxisTranslation: new Metre(-609)`
	`)`

UCS-2000

```
Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to UCS-2000 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to UCS-2000 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪UCS_2000)`
	`)`

to UCS-2000 / Gauss-Kruger CM 21E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_21E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger CM 27E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_27E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger CM 33E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_33E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger CM 39E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_39E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger zone 4 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger zone 5 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_5),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger zone 6 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Gauss-Kruger zone 7 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-01 Crimea (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Crimea region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Crimea
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_01_CRIMEA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-05 Vinnytsia (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Vinnytsia region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Vinnytsia oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_05_VINNYTSIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-07 Volyn (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Volyn region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Volyn oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_07_VOLYN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-12 Dnipropetrovsk (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Dnipropetrovsk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Dnipropetrovsk oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_12_DNIPROPETROVSK),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-14 Donetsk (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Donetsk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Donetsk oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_14_DONETSK),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(37.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-18 Zhytomyr (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Zhytomyr region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Zhytomyr oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_18_ZHYTOMYR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-21 Zakarpattia (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Zakarpattia region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Zakarpattia oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_21_ZAKARPATTIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-23 Zaporizhzhia (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Zaporizhzhia region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Zaporizhzhia oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_23_ZAPORIZHZHIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-26 Ivano-Frankivsk (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Ivano-Frankivsk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Ivano-Frankivsk oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_26_IVANO_FRANKIVSK),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-32 Kyiv region (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Kyiv
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kyiv city and oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_32_KYIV_REGION),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-35 Kirovohrad (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Kirovohrad region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kirovohrad oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_35_KIROVOHRAD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(32),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-44 Luhansk (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Luhansk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Luhansk oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_44_LUHANSK),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-46 Lviv (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Lviv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Lviv oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_46_LVIV),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-48 Mykolaiv (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Mykolaiv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Mykolaiv oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_48_MYKOLAIV),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-51 Odessa (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Odessa region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Odessa oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_51_ODESSA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-53 Poltava (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Poltava region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Poltava oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_53_POLTAVA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-56 Rivne (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Rivne and Khmelnytsky regions
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Rivne and Khmelnytskyi oblasts
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_`
	`↪2000_LCS_56_RIVNE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-59 Sumy (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Sumy region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Sumy oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_`
	`↪2000_LCS_59_SUMY),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-61 Ternopil (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Ternopil region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Ternopil oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_`
	`↪2000_LCS_61_TERNOPIL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-63 Kharkiv (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Kharkiv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kharkiv oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_63_KHARKIV),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-65 Kherson (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Kherson region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kherson oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_65_KHERSON),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-68 Khmelnytsky (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Rivne and Khmelnytsky regions
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Rivne and Khmelnytskyi oblasts
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_68_KHMELNYTSKY),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-71 Cherkasy (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Cherkasy region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Cherkasy oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_71_CHERKASY),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-73 Chernivtsi (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Chernivtsi region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Chernivtsi oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_73_CHERNIVTSI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-74 Chernihiv (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Chernihiv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Chernihiv oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_74_CHERNIHIV),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(32),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-80 Kyiv city (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Kyiv
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kyiv city and oblast
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_80_KYIV_CITY),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / LCS-85 Sevastopol (Projected)

EPSG	PHPCoord

Name: Local coordinate system of Sevastopol city
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Sevastopol
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_85_SEVASTOPOL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 10 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 28.5°E to 31.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_10),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 11 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 31.5°E to 34.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 12 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 34.5°E to 37.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_12),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 13 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - east of 37.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 7 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - west of 22.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 8 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 22.5°E to 25.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

to UCS-2000 / Ukraine TM zone 9 (Projected)

EPSG	PHPCoord

Name: Ukraine TM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 25.5°E to 28.5°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_9),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000

```
Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000)
```

to VN-2000 / TM-3 103-00 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 103-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Dien Bien and Lai Chau
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_103_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(103),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 104-00 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 104-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Son La
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_104_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(104),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 104-30 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 104-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Ca Mau and Kien Giang
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_104_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(104.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 104-45 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 104-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - An Giang, Lao Cai, Nghe An, Phu Tho, Yen Bai
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_104_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(104.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 105-30 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 105-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 104°20'E to 106°40'E by province
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_105_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 105-45 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 105-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 105°15'E to 107°50'E by province - HCMC
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_105_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 106-00 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 106-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Hoa Binh, Quang Binh and Tuyen Quang
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_106_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 106-15 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 106-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Binh Phuoc and Quang Tri
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_106_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 106-30 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 106-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Bac Kan and Thai Nguyen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 107-00 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 107-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Bac Giang and Thua Thien-Hue
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_00),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 107-15 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 107-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Lang Son
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 107-30 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 107-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Kon Tum
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 107-45 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 107-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Quang Ninh; Da Nang, Quang Nam; Ba Ria-Vung Tau, Dong Nai, Lam Dong
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 108-15 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 108-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Binh Dinh, Khanh Hoa, Ninh Thuan
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_108_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 108-30 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 108-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Binh Thuan, Dak Lak, Dak Nong, Gia Lai, Phu Yen
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_108_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 zone 481 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 zone 481
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - west of 103°30'E onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_ZONE_481),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 zone 482 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 zone 482
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 103.5°E to 106.5°E onshore, Vietnam - 104°20'E to 106°10'E by province - Hanoi
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_ZONE_482),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / TM-3 zone 491 (Projected)

EPSG	PHPCoord

Name: Vietnam TM-3 zone 491
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - east of 106.5°E onshore, Vietnam - Quang Ngai
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_TM_3_ZONE_491),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to VN-2000 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_VN_`
	`↪2000_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: VN-2000 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-191.90441429),`
	`  yAxisTranslation: new Metre(-39.30318279),`
	`  zAxisTranslation: new Metre(-111.45032835),`
	`  xAxisRotation: new ArcSecond(-0.00928836),`
	`  yAxisRotation: new ArcSecond(0.01975479),`
	`  zAxisRotation: new ArcSecond(-0.00427372),`
	`  scaleDifference: new PartsPerMillion(0.252906278)`
	`)`

Vanua Levu 1915

`Geographic2D::fromSRID(Geographic2D::EPSG_VANUA_LEVU_1915)`

to Vanua Levu 1915 / Vanua Levu Grid (Projected)

EPSG	PHPCoord

Name: Vanua Levu Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Vanua Levu and Taveuni
	`$point->hyperbolicCassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_VANUA_LEVU_1915_VANUA_LEVU_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-16.25),`
	`  longitudeOfNaturalOrigin: new Degree(179.33333333333),`
	`  falseEasting: new Link(1251331.8),`
	`  falseNorthing: new Link(1662888.5)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Vanua Levu 1915 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Vanua Levu and Taveuni
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(51),`
	`  yAxisTranslation: new Metre(391),`
	`  zAxisTranslation: new Metre(-36)`
	`)`

Vientiane 1982

`Geographic2D::fromSRID(Geographic2D::EPSG_VIENTIANE_1982)`

to Lao 1997 (Geographic2D)

EPSG	PHPCoord

Name: Vientiane 1982 to Lao 1997 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Laos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LAO_1997),`
	`  xAxisTranslation: new Metre(-2.227),`
	`  yAxisTranslation: new Metre(6.524),`
	`  zAxisTranslation: new Metre(2.178)`
	`)`

Viti Levu 1912

`Geographic2D::fromSRID(Geographic2D::EPSG_VITI_LEVU_1912)`

to Viti Levu 1912 / Viti Levu Grid (Projected)

EPSG	PHPCoord

Name: Viti Levu Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Viti Levu
	`$point->cassiniSoldner(`
	`  to: Projected::fromSRID(Projected::EPSG_VITI_LEVU_1912_VITI_LEVU_GRID),`
	`  latitudeOfNaturalOrigin: new Degree(-18),`
	`  longitudeOfNaturalOrigin: new Degree(178),`
	`  falseEasting: new Link(544000),`
	`  falseNorthing: new Link(704000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Viti Levu 1912 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Viti Levu
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(98),`
	`  yAxisTranslation: new Metre(390),`
	`  zAxisTranslation: new Metre(-22)`
	`)`

Voirol 1875

`Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875)`

to Voirol 1875 (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Voirol 1875 (Paris) to Voirol 1875 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 32°N
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875_PARIS),`
	`  longitudeOffset: new Grad(-2.5969213)`
	`)`

to Voirol 1875 / Nord Algerie (ancienne) (Projected)

EPSG	PHPCoord

Name: Nord Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_VOIROL_`
	`↪1875_NORD_ALGERIE_ANCIENNE),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999625544),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to Voirol 1875 / Sud Algerie (ancienne) (Projected)

EPSG	PHPCoord

Name: Sud Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - 31°30'N to 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_VOIROL_`
	`↪1875_SUD_ALGERIE_ANCIENNE),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Voirol 1875 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 32°N
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-73),`
	`  yAxisTranslation: new Metre(-247),`
	`  zAxisTranslation: new Metre(227)`
	`)`

Voirol 1875 (Paris)

`Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875_PARIS)`

to Voirol 1875 (Geographic2D)

EPSG	PHPCoord

Name: Voirol 1875 (Paris) to Voirol 1875 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 32°N
	`$point->longitudeRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875),`
	`  longitudeOffset: new Grad(2.5969213)`
	`)`

Voirol 1879

`Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1879)`

to Voirol 1879 / Nord Algerie (ancienne) (Projected)

EPSG	PHPCoord

Name: Nord Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_VOIROL_1879_NORD_ALGERIE_ANCIENNE),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

to Voirol 1879 / Sud Algerie (ancienne) (Projected)

EPSG	PHPCoord

Name: Sud Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - 31°30'N to 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Projected::fromSRID(Projected::EPSG_VOIROL_`
	`↪1879_SUD_ALGERIE_ANCIENNE),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

WGS 66

`Geographic2D::fromSRID(Geographic2D::EPSG_WGS_66)`

to WGS 66 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_66)`
	`)`

WGS 72

`Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72)`

to Egypt 1907 (Geographic2D)

EPSG	PHPCoord

Name: Egypt 1907 to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_1907),`
	`  xAxisTranslation: new Metre(121.8),`
	`  yAxisTranslation: new Metre(-98.1),`
	`  zAxisTranslation: new Metre(15.2)`
	`)`

to PSD93 (Geographic2D)

EPSG	PHPCoord

Name: PSD93 to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSD93),`
	`  xAxisTranslation: new Metre(182.046),`
	`  yAxisTranslation: new Metre(225.604),`
	`  zAxisTranslation: new Metre(-168.884),`
	`  xAxisRotation: new ArcSecond(0.616),`
	`  yAxisRotation: new ArcSecond(1.655),`
	`  zAxisRotation: new ArcSecond(-7.824),`
	`  scaleDifference: new PartsPerMillion(-16.641)`
	`)`

to WGS 72 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_72)`
	`)`

to WGS 72 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 10S (Projected)

EPSG	PHPCoord

Name: UTM zone 10S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 11S (Projected)

EPSG	PHPCoord

Name: UTM zone 11S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 12S (Projected)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 13S (Projected)

EPSG	PHPCoord

Name: UTM zone 13S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 14S (Projected)

EPSG	PHPCoord

Name: UTM zone 14S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 15S (Projected)

EPSG	PHPCoord

Name: UTM zone 15S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 16S (Projected)

EPSG	PHPCoord

Name: UTM zone 16S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 25N (Projected)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 26S (Projected)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 27S (Projected)

EPSG	PHPCoord

Name: UTM zone 27S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 28S (Projected)

EPSG	PHPCoord

Name: UTM zone 28S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 29S (Projected)

EPSG	PHPCoord

Name: UTM zone 29S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 2S (Projected)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 30S (Projected)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 31S (Projected)

EPSG	PHPCoord

Name: UTM zone 31S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 39S (Projected)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 3S (Projected)

EPSG	PHPCoord

Name: UTM zone 3S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 40S (Projected)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 41S (Projected)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 42N (Projected)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 42S (Projected)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 43N (Projected)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 43S (Projected)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 44N (Projected)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 44S (Projected)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 45N (Projected)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 45S (Projected)

EPSG	PHPCoord

Name: UTM zone 45S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 46S (Projected)

EPSG	PHPCoord

Name: UTM zone 46S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 47S (Projected)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 4S (Projected)

EPSG	PHPCoord

Name: UTM zone 4S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 51S (Projected)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 52S (Projected)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 53N (Projected)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 55S (Projected)

EPSG	PHPCoord

Name: UTM zone 55S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 56N (Projected)

EPSG	PHPCoord

Name: UTM zone 56N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 56S (Projected)

EPSG	PHPCoord

Name: UTM zone 56S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 57N (Projected)

EPSG	PHPCoord

Name: UTM zone 57N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 57S (Projected)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 58N (Projected)

EPSG	PHPCoord

Name: UTM zone 58N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 5S (Projected)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 60S (Projected)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 8S (Projected)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72 / UTM zone 9S (Projected)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: WGS 72BE to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(2.6),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.26),`
	`  scaleDifference: new PartsPerMillion(0.6063)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: WGS 72 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(4.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.554),`
	`  scaleDifference: new PartsPerMillion(0.2263)`
	`)`

Name: WGS 72 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(4.5),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.554),`
	`  scaleDifference: new PartsPerMillion(0.219)`
	`)`

to Yoff (Geographic2D)

EPSG	PHPCoord

Name: Yoff to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Senegal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YOFF),`
	`  xAxisTranslation: new Metre(37),`
	`  yAxisTranslation: new Metre(-157),`
	`  zAxisTranslation: new Metre(-85)`
	`)`

WGS 72BE

`Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE)`

to Accra (Geographic2D)

EPSG	PHPCoord

Name: Accra to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ACCRA),`
	`  xAxisTranslation: new Metre(171.16),`
	`  yAxisTranslation: new Metre(-17.29),`
	`  zAxisTranslation: new Metre(-323.31)`
	`)`

to Beduaram (Geographic2D)

EPSG	PHPCoord

Name: Beduaram to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Niger - southeast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEDUARAM),`
	`  xAxisTranslation: new Metre(101),`
	`  yAxisTranslation: new Metre(111),`
	`  zAxisTranslation: new Metre(-187)`
	`)`

to Camacupa 1948 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 1948 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMACUPA_1948),`
	`  xAxisTranslation: new Metre(37.2),`
	`  yAxisTranslation: new Metre(370.6),`
	`  zAxisTranslation: new Metre(228.5)`
	`)`

to Deir ez Zor (Geographic2D)

EPSG	PHPCoord

Name: Deir ez Zor to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - Deir area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DEIR_EZ_ZOR),`
	`  xAxisTranslation: new Metre(174.6),`
	`  yAxisTranslation: new Metre(3.1),`
	`  zAxisTranslation: new Metre(-236.2)`
	`)`

to Egypt Gulf of Suez S-650 TL (Geographic2D)

EPSG	PHPCoord

Name: Egypt Gulf of Suez S-650 TL to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Gulf of Suez
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EGYPT_GULF_OF_SUEZ_S_650_TL),`
	`  xAxisTranslation: new Metre(123),`
	`  yAxisTranslation: new Metre(-98),`
	`  zAxisTranslation: new Metre(-2)`
	`)`

to Garoua (Geographic2D)

EPSG	PHPCoord

Name: Garoua to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - Garoua area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GAROUA),`
	`  xAxisTranslation: new Metre(56.1),`
	`  yAxisTranslation: new Metre(167.8),`
	`  zAxisTranslation: new Metre(-13.1)`
	`)`

to Indian 1960 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1960 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - offshore Cuu Long basin
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪INDIAN_1960),`
	`  xAxisTranslation: new Metre(-199),`
	`  yAxisTranslation: new Metre(-931),`
	`  zAxisTranslation: new Metre(-317)`
	`)`

to Kousseri (Geographic2D)

EPSG	PHPCoord

Name: Kousseri to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - N'Djamena area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOUSSERI),`
	`  xAxisTranslation: new Metre(104.4),`
	`  yAxisTranslation: new Metre(136.6),`
	`  zAxisTranslation: new Metre(-201.2)`
	`)`

to Manoca 1962 (Geographic2D)

EPSG	PHPCoord

Name: Manoca 1962 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MANOCA_1962),`
	`  xAxisTranslation: new Metre(56.7),`
	`  yAxisTranslation: new Metre(171.8),`
	`  zAxisTranslation: new Metre(40.6)`
	`)`

to Mhast (offshore) (Geographic2D)

EPSG	PHPCoord

Name: Mhast (offshore) to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MHAST_OFFSHORE),`
	`  xAxisTranslation: new Metre(255),`
	`  yAxisTranslation: new Metre(29),`
	`  zAxisTranslation: new Metre(105)`
	`)`

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: Nord Sahara 1959 to WGS 72BE (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - Hassi Messaoud
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(156.5),`
	`  yAxisTranslation: new Metre(87.2),`
	`  zAxisTranslation: new Metre(-285.9)`
	`)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: WGS 72BE to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(-2.6),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.26),`
	`  scaleDifference: new PartsPerMillion(-0.6063)`
	`)`

to WGS 72BE (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_72BE)`
	`)`

to WGS 72BE / South China Sea Lambert (Projected)

EPSG	PHPCoord

Name: South China Sea Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Pearl River basin
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_SOUTH_CHINA_SEA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(21),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(18),`
	`  latitudeOf2ndStandardParallel: new Degree(24),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

to WGS 72BE / TM 106 NE (Projected)

EPSG	PHPCoord

Name: TM 106 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - offshore Cuu Long basin
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_TM_106_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 10S (Projected)

EPSG	PHPCoord

Name: UTM zone 10S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_10S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 11S (Projected)

EPSG	PHPCoord

Name: UTM zone 11S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_11S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 12S (Projected)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_12S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 13S (Projected)

EPSG	PHPCoord

Name: UTM zone 13S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_13S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 14S (Projected)

EPSG	PHPCoord

Name: UTM zone 14S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_14S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 15S (Projected)

EPSG	PHPCoord

Name: UTM zone 15S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_15S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 16S (Projected)

EPSG	PHPCoord

Name: UTM zone 16S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_16S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 25N (Projected)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_25N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 26S (Projected)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_26S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 27S (Projected)

EPSG	PHPCoord

Name: UTM zone 27S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_27S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 28S (Projected)

EPSG	PHPCoord

Name: UTM zone 28S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_28S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 29S (Projected)

EPSG	PHPCoord

Name: UTM zone 29S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_29S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 2S (Projected)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_2S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 30S (Projected)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 31S (Projected)

EPSG	PHPCoord

Name: UTM zone 31S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_31S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 39S (Projected)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_39S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 3S (Projected)

EPSG	PHPCoord

Name: UTM zone 3S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_3S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 40S (Projected)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_40S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 41S (Projected)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_41S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 42N (Projected)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_42N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 42S (Projected)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_42S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 43N (Projected)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_43N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 43S (Projected)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_43S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 44N (Projected)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_44N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 44S (Projected)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_44S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 45N (Projected)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_45N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 45S (Projected)

EPSG	PHPCoord

Name: UTM zone 45S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_45S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 46S (Projected)

EPSG	PHPCoord

Name: UTM zone 46S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_46S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 47S (Projected)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_47S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 4S (Projected)

EPSG	PHPCoord

Name: UTM zone 4S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_4S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 51S (Projected)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_51S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 52S (Projected)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_52S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 53N (Projected)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_53N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 55S (Projected)

EPSG	PHPCoord

Name: UTM zone 55S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_55S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 56N (Projected)

EPSG	PHPCoord

Name: UTM zone 56N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_56N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 56S (Projected)

EPSG	PHPCoord

Name: UTM zone 56S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_56S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 57N (Projected)

EPSG	PHPCoord

Name: UTM zone 57N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_57N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 57S (Projected)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_57S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 58N (Projected)

EPSG	PHPCoord

Name: UTM zone 58N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_58N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 5S (Projected)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_5S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 60S (Projected)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_60S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 8S (Projected)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 72BE / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 72BE / UTM zone 9S (Projected)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_`
	`↪72BE_UTM_ZONE_9S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: WGS 72BE to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(1.9),`
	`  xAxisRotation: new ArcSecond(0),`
	`  yAxisRotation: new ArcSecond(0),`
	`  zAxisRotation: new ArcSecond(0.814),`
	`  scaleDifference: new PartsPerMillion(-0.38)`
	`)`

WGS 84

`Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: AGD66 to WGS 84 (19)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - PFTB
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(124),`
	`  yAxisTranslation: new Metre(60),`
	`  zAxisTranslation: new Metre(-154)`
	`)`

Name: AGD66 to WGS 84 (20)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  xAxisTranslation: new Metre(128),`
	`  yAxisTranslation: new Metre(52),`
	`  zAxisTranslation: new Metre(-153)`
	`)`

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: ATS77 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ATS77),`
	`  offsetsFile:␣`
	`↪NTv2ATS77NAD83CSRS1997NewBrunswickProvider->`
	`↪provideGrid()`
	`)`

Name: ATS77 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ATS77),`
	`  offsetsFile:␣`
	`↪NTv2ATS777NAD83CSRS1997PrinceEdwardProvider->`
	`↪provideGrid()`
	`)`

to Abidjan 1987 (Geographic2D)

EPSG	PHPCoord

Name: Abidjan 1987 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ABIDJAN_1987),`
	`  xAxisTranslation: new Metre(124.76),`
	`  yAxisTranslation: new Metre(-53),`
	`  zAxisTranslation: new Metre(-466.79)`
	`)`

to Accra (Geographic2D)

EPSG	PHPCoord

Name: Accra to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ACCRA),`
	`  xAxisTranslation: new Metre(170),`
	`  yAxisTranslation: new Metre(-33),`
	`  zAxisTranslation: new Metre(-326)`
	`)`

to Aden 1925 (Geographic2D)

EPSG	PHPCoord

Name: Aden 1925 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Yemen - South Yemen - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADEN_1925),`
	`  xAxisTranslation: new Metre(24),`
	`  yAxisTranslation: new Metre(203),`
	`  zAxisTranslation: new Metre(-268)`
	`)`

to Adindan (Geographic2D)

EPSG	PHPCoord

Name: Adindan to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Eritrea, Ethiopia, South Sudan and Sudan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADINDAN),`
	`  xAxisTranslation: new Metre(166),`
	`  yAxisTranslation: new Metre(15),`
	`  zAxisTranslation: new Metre(-204)`
	`)`

Name: Adindan to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Burkina Faso
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADINDAN),`
	`  xAxisTranslation: new Metre(118),`
	`  yAxisTranslation: new Metre(14),`
	`  zAxisTranslation: new Metre(-218)`
	`)`

Name: Adindan to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADINDAN),`
	`  xAxisTranslation: new Metre(134),`
	`  yAxisTranslation: new Metre(2),`
	`  zAxisTranslation: new Metre(-210)`
	`)`

Name: Adindan to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ethiopia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADINDAN),`
	`  xAxisTranslation: new Metre(165),`
	`  yAxisTranslation: new Metre(11),`
	`  zAxisTranslation: new Metre(-206)`
	`)`

Name: Adindan to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mali
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADINDAN),`
	`  xAxisTranslation: new Metre(123),`
	`  yAxisTranslation: new Metre(20),`
	`  zAxisTranslation: new Metre(-220)`
	`)`

Name: Adindan to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Senegal - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ADINDAN),`
	`  xAxisTranslation: new Metre(128),`
	`  yAxisTranslation: new Metre(18),`
	`  zAxisTranslation: new Metre(-224)`
	`)`

Name: Adindan to WGS 84 (7)	`$point->geocentricTranslation(`

to Afgooye (Geographic2D)

EPSG	PHPCoord

Name: Afgooye to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Somalia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AFGOOYE),`
	`  xAxisTranslation: new Metre(43),`
	`  yAxisTranslation: new Metre(163),`
	`  zAxisTranslation: new Metre(-45)`
	`)`

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: Ain el Abd to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - north of 29.25°N
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AIN_EL_ABD),`
	`  xAxisTranslation: new Metre(202.234),`
	`  yAxisTranslation: new Metre(168.351),`
	`  zAxisTranslation: new Metre(63.51),`
	`  xAxisRotation: new ArcSecond(3.545),`
	`  yAxisRotation: new ArcSecond(0.659),`
	`  zAxisRotation: new ArcSecond(-1.945),`
	`  scaleDifference: new PartsPerMillion(-2.1)`
	`)`

Name: Ain el Abd to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - south of 29.25°N
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AIN_EL_ABD),`
	`  xAxisTranslation: new Metre(18.944),`
	`  yAxisTranslation: new Metre(379.364),`
	`  zAxisTranslation: new Metre(24.063),`
	`  xAxisRotation: new ArcSecond(0.04),`
	`  yAxisRotation: new ArcSecond(-0.764),`
	`  zAxisRotation: new ArcSecond(6.431),`
	`  scaleDifference: new PartsPerMillion(-3.657)`
	`)`

Name: Ain el Abd to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bahrain - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AIN_EL_ABD),`
	`  xAxisTranslation: new Metre(150),`
	`  yAxisTranslation: new Metre(250),`
	`  zAxisTranslation: new Metre(1)`
	`)`

Name: Ain el Abd to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AIN_EL_ABD),`
	`  xAxisTranslation: new Metre(143),`
	`  yAxisTranslation: new Metre(236),`
	`  zAxisTranslation: new Metre(-7)`
	`)`

to American Samoa 1962 (Geographic2D)

EPSG	PHPCoord

Name: American Samoa 1962 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMERICAN_SAMOA_1962),`
	`  xAxisTranslation: new Metre(115),`
	`  yAxisTranslation: new Metre(-118),`
	`  zAxisTranslation: new Metre(-426)`
	`)`

to Ammassalik 1958 (Geographic2D)

EPSG	PHPCoord

Name: Ammassalik 1958 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Ammassalik area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMMASSALIK_1958),`
	`  xAxisTranslation: new Metre(45),`
	`  yAxisTranslation: new Metre(-417),`
	`  zAxisTranslation: new Metre(3.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.6)`
	`)`

to Anguilla 1957 (Geographic2D)

EPSG	PHPCoord

Name: Anguilla 1957 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Anguilla - onshore
	`$point->geographic2DOffsets(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ANGUILLA_1957),`
	`  latitudeOffset: new ArcSecond(18),`
	`  longitudeOffset: new ArcSecond(-4.4)`
	`)`

to Antigua 1943 (Geographic2D)

EPSG	PHPCoord

Name: Antigua 1943 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antigua - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ANTIGUA_1943),`
	`  xAxisTranslation: new Metre(255),`
	`  yAxisTranslation: new Metre(15),`
	`  zAxisTranslation: new Metre(-71)`
	`)`

to Arc 1950 (Geographic2D)

EPSG	PHPCoord

Name: Arc 1950 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Botswana
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  xAxisTranslation: new Metre(138),`
	`  yAxisTranslation: new Metre(105),`
	`  zAxisTranslation: new Metre(289)`
	`)`

Name: Arc 1950 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lesotho
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  xAxisTranslation: new Metre(125),`
	`  yAxisTranslation: new Metre(108),`
	`  zAxisTranslation: new Metre(295)`
	`)`

Name: Arc 1950 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malawi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  xAxisTranslation: new Metre(161),`
	`  yAxisTranslation: new Metre(73),`
	`  zAxisTranslation: new Metre(317)`
	`)`

Name: Arc 1950 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Eswatini
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  xAxisTranslation: new Metre(134),`
	`  yAxisTranslation: new Metre(105),`
	`  zAxisTranslation: new Metre(295)`
	`)`

Name: Arc 1950 to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Zambia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  xAxisTranslation: new Metre(147),`
	`  yAxisTranslation: new Metre(74),`
	`  zAxisTranslation: new Metre(283)`
	`)`

Name: Arc 1950 to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malawi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  xAxisTranslation: new Metre(179),`
	`  yAxisTranslation: new Metre(81),`
	`  zAxisTranslation: new Metre(314)`
	`)`

Name: Arc 1950 to WGS 84 (10)	`$point->geocentricTranslation(`

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: Arc 1960 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Kenya and Tanzania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1960),`
	`  xAxisTranslation: new Metre(160),`
	`  yAxisTranslation: new Metre(6),`
	`  zAxisTranslation: new Metre(302)`
	`)`

Name: Arc 1960 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kenya - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1960),`
	`  xAxisTranslation: new Metre(157),`
	`  yAxisTranslation: new Metre(2),`
	`  zAxisTranslation: new Metre(299)`
	`)`

Name: Arc 1960 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tanzania - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1960),`
	`  xAxisTranslation: new Metre(175),`
	`  yAxisTranslation: new Metre(23),`
	`  zAxisTranslation: new Metre(303)`
	`)`

Name: Arc 1960 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Burundi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1960),`
	`  xAxisTranslation: new Metre(153),`
	`  yAxisTranslation: new Metre(5),`
	`  zAxisTranslation: new Metre(292)`
	`)`

to Ascension Island 1958 (Geographic2D)

EPSG	PHPCoord

Name: Ascension Island 1958 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - Ascension Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ASCENSION_ISLAND_1958),`
	`  xAxisTranslation: new Metre(205),`
	`  yAxisTranslation: new Metre(-107),`
	`  zAxisTranslation: new Metre(-53)`
	`)`

to Astro DOS 71 (Geographic2D)

EPSG	PHPCoord

Name: Astro DOS 71 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ASTRO_DOS_71),`
	`  xAxisTranslation: new Metre(323.65),`
	`  yAxisTranslation: new Metre(-551.39),`
	`  zAxisTranslation: new Metre(491.22)`
	`)`

to Australian Antarctic (Geographic2D)

EPSG	PHPCoord

Name: Australian Antarctic to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Australian sector
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AUSTRALIAN_ANTARCTIC),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Ayabelle Lighthouse (Geographic2D)

EPSG	PHPCoord

Name: Ayabelle Lighthouse to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Djibouti - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AYABELLE_LIGHTHOUSE),`
	`  xAxisTranslation: new Metre(77),`
	`  yAxisTranslation: new Metre(128),`
	`  zAxisTranslation: new Metre(-142)`
	`)`

to Azores Central 1948 (Geographic2D)

EPSG	PHPCoord

Name: Azores Central 1948 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1948),`
	`  xAxisTranslation: new Metre(104),`
	`  yAxisTranslation: new Metre(-167),`
	`  zAxisTranslation: new Metre(38)`
	`)`

to Azores Oriental 1940 (Geographic2D)

EPSG	PHPCoord

Name: Azores Oriental 1940 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_ORIENTAL_1940),`
	`  xAxisTranslation: new Metre(203),`
	`  yAxisTranslation: new Metre(-141),`
	`  zAxisTranslation: new Metre(-53)`
	`)`

to BBT2000 (Geographic2D)

EPSG	PHPCoord

Name: BBT2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Brenner
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BBT2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to BD72 (Geographic2D)

EPSG	PHPCoord

Name: BD72 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BD72),`
	`  xAxisTranslation: new Metre(125.8),`
	`  yAxisTranslation: new Metre(-79.9),`
	`  zAxisTranslation: new Metre(100.5)`
	`)`

to BDA2000 (Geographic2D)

EPSG	PHPCoord

Name: BDA2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bermuda
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BDA2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Barbados 1938 (Geographic2D)

EPSG	PHPCoord

Name: Barbados 1938 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Barbados - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BARBADOS_1938),`
	`  xAxisTranslation: new Metre(-31.95),`
	`  yAxisTranslation: new Metre(-300.99),`
	`  zAxisTranslation: new Metre(-419.19)`
	`)`

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: Batavia to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Bali, Java and western Sumatra onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BATAVIA),`
	`  xAxisTranslation: new Metre(377),`
	`  yAxisTranslation: new Metre(-681),`
	`  zAxisTranslation: new Metre(50)`
	`)`

to Beduaram (Geographic2D)

EPSG	PHPCoord

Name: Beduaram to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Niger - southeast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEDUARAM),`
	`  xAxisTranslation: new Metre(106),`
	`  yAxisTranslation: new Metre(87),`
	`  zAxisTranslation: new Metre(-188)`
	`)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Beijing 1954 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Ordos basin
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  xAxisTranslation: new Metre(-12.646),`
	`  yAxisTranslation: new Metre(155.176),`
	`  zAxisTranslation: new Metre(80.863)`
	`)`

Name: Beijing 1954 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Yellow Sea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  xAxisTranslation: new Metre(-15.53),`
	`  yAxisTranslation: new Metre(113.82),`
	`  zAxisTranslation: new Metre(41.38),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.38)`
	`)`

Name: Beijing 1954 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Pearl River basin
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  xAxisTranslation: new Metre(-31.4),`
	`  yAxisTranslation: new Metre(144.3),`
	`  zAxisTranslation: new Metre(74.8),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.38)`
	`)`

Name: Beijing 1954 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Tarim - 77.5°E to 88°E and 37°N to 42°N
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  xAxisTranslation: new Metre(-15.8),`
	`  yAxisTranslation: new Metre(154.4),`
	`  zAxisTranslation: new Metre(82.3)`
	`)`

Name: Beijing 1954 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Bei Bu
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  xAxisTranslation: new Metre(-18),`
	`  yAxisTranslation: new Metre(136.8),`
	`  zAxisTranslation: new Metre(73.7),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.38)`
	`)`

to Bekaa Valley 1920 (Geographic2D)

EPSG	PHPCoord

Name: Bekaa Valley 1920 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lebanon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEKAA_VALLEY_1920),`
	`  xAxisTranslation: new Metre(183),`
	`  yAxisTranslation: new Metre(15),`
	`  zAxisTranslation: new Metre(-273)`
	`)`

to Bellevue (Geographic2D)

EPSG	PHPCoord

Name: Bellevue to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vanuatu - southern islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BELLEVUE),`
	`  xAxisTranslation: new Metre(127),`
	`  yAxisTranslation: new Metre(769),`
	`  zAxisTranslation: new Metre(-472)`
	`)`

to Bioko (Geographic2D)

EPSG	PHPCoord

Name: Bioko to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Equatorial Guinea - Bioko
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BIOKO),`
	`  xAxisTranslation: new Metre(235),`
	`  yAxisTranslation: new Metre(110),`
	`  zAxisTranslation: new Metre(-393)`
	`)`

to Bissau (Geographic2D)

EPSG	PHPCoord

Name: Bissau to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guinea-Bissau - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BISSAU),`
	`  xAxisTranslation: new Metre(173),`
	`  yAxisTranslation: new Metre(-253),`
	`  zAxisTranslation: new Metre(-27)`
	`)`

to Bukit Rimpah (Geographic2D)

EPSG	PHPCoord

Name: Bukit Rimpah to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Banga & Belitung Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BUKIT_RIMPAH),`
	`  xAxisTranslation: new Metre(384),`
	`  yAxisTranslation: new Metre(-664),`
	`  zAxisTranslation: new Metre(48)`
	`)`

to CIGD11 (Geographic2D)

EPSG	PHPCoord

Name: CIGD11 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CIGD11),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to CR05 (Geographic2D)

EPSG	PHPCoord

Name: CR05 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CR05),`
	`  xAxisTranslation: new Metre(0.16959),`
	`  yAxisTranslation: new Metre(-0.35312),`
	`  zAxisTranslation: new Metre(-0.51846),`
	`  xAxisRotation: new ArcSecond(0.03385),`
	`  yAxisRotation: new ArcSecond(-0.16325),`
	`  zAxisRotation: new ArcSecond(0.03446),`
	`  scaleDifference: new PartsPerMillion(-0.03693)`
	`)`

to CSG67 (Geographic2D)

EPSG	PHPCoord

Name: CSG67 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Guiana - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CSG67),`
	`  xAxisTranslation: new Metre(186),`
	`  yAxisTranslation: new Metre(-230),`
	`  zAxisTranslation: new Metre(-110)`
	`)`

to Camacupa 2015 (Geographic2D)

EPSG	PHPCoord

Name: Camacupa 2015 to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMACUPA_2015),`
	`  xAxisTranslation: new Metre(93.799),`
	`  yAxisTranslation: new Metre(132.737),`
	`  zAxisTranslation: new Metre(219.073),`
	`  xAxisRotation: new ArcSecond(-1.844),`
	`  yAxisRotation: new ArcSecond(0.648),`
	`  zAxisRotation: new ArcSecond(-6.37),`
	`  scaleDifference: new PartsPerMillion(0.169)`
	`)`

to Camp Area Astro (Geographic2D)

EPSG	PHPCoord

Name: Camp Area Astro to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Camp McMurdo area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMP_AREA_ASTRO),`
	`  xAxisTranslation: new Metre(104),`
	`  yAxisTranslation: new Metre(129),`
	`  zAxisTranslation: new Metre(-239)`
	`)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Campo Inchauspe to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Neuquen province Auca Mahuida area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMPO_INCHAUSPE),`
	`  xAxisTranslation: new Metre(154.5),`
	`  yAxisTranslation: new Metre(-150.7),`
	`  zAxisTranslation: new Metre(-100.4)`
	`)`

to Cape (Geographic2D)

EPSG	PHPCoord

Name: Cape to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  xAxisTranslation: new Metre(134.73),`
	`  yAxisTranslation: new Metre(110.92),`
	`  zAxisTranslation: new Metre(292.66)`
	`)`

to Cape Canaveral (Geographic2D)

EPSG	PHPCoord

Name: Cape Canaveral to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Bahamas and USA - Florida - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE_CANAVERAL),`
	`  xAxisTranslation: new Metre(2),`
	`  yAxisTranslation: new Metre(-151),`
	`  zAxisTranslation: new Metre(-181)`
	`)`

to Carthage (Geographic2D)

EPSG	PHPCoord

Name: Carthage to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CARTHAGE),`
	`  xAxisTranslation: new Metre(263),`
	`  yAxisTranslation: new Metre(-6),`
	`  zAxisTranslation: new Metre(-431)`
	`)`

to Chatham Islands 1971 (Geographic2D)

EPSG	PHPCoord

Name: CI1971 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHATHAM_ISLANDS_1971),`
	`  xAxisTranslation: new Metre(-175),`
	`  yAxisTranslation: new Metre(38),`
	`  zAxisTranslation: new Metre(-113)`
	`)`

to Chos Malal 1914 (Geographic2D)

EPSG	PHPCoord

Name: Chos Malal 1914 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Mendoza - Cuyo basin
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHOS_MALAL_1914),`
	`  xAxisTranslation: new Metre(-8.88),`
	`  yAxisTranslation: new Metre(-184.86),`
	`  zAxisTranslation: new Metre(-106.69)`
	`)`

Name: Chos Malal 1914 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Neuquen province
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHOS_MALAL_1914),`
	`  xAxisTranslation: new Metre(-15.75),`
	`  yAxisTranslation: new Metre(-164.93),`
	`  zAxisTranslation: new Metre(-126.18)`
	`)`

to Cocos Islands 1965 (Geographic2D)

EPSG	PHPCoord

Name: Cocos Islands 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪COCOS_ISLANDS_1965),`
	`  xAxisTranslation: new Metre(491),`
	`  yAxisTranslation: new Metre(22),`
	`  zAxisTranslation: new Metre(-435)`
	`)`

to Conakry 1905 (Geographic2D)

EPSG	PHPCoord

Name: Conakry 1905 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guinea - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CONAKRY_1905),`
	`  xAxisTranslation: new Metre(23),`
	`  yAxisTranslation: new Metre(-259),`
	`  zAxisTranslation: new Metre(9)`
	`)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: Corrego Alegre 1970-72 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - Corrego Alegre 1970-1972
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CORREGO_ALEGRE_1970_72),`
	`  xAxisTranslation: new Metre(206),`
	`  yAxisTranslation: new Metre(-172),`
	`  zAxisTranslation: new Metre(6)`
	`)`

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: DGN95 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DGN95),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: DRUKREF 03 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DRUKREF_03),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Dabola 1981 (Geographic2D)

EPSG	PHPCoord

Name: Dabola 1981 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guinea - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DABOLA_1981),`
	`  xAxisTranslation: new Metre(83),`
	`  yAxisTranslation: new Metre(-37),`
	`  zAxisTranslation: new Metre(-124)`
	`)`

to Datum 73 (Geographic2D)

EPSG	PHPCoord

Name: Datum 73 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DATUM_73),`
	`  xAxisTranslation: new Metre(239.749),`
	`  yAxisTranslation: new Metre(-88.181),`
	`  zAxisTranslation: new Metre(-30.488),`
	`  xAxisRotation: new ArcSecond(0.263),`
	`  yAxisRotation: new ArcSecond(0.082),`
	`  zAxisRotation: new ArcSecond(1.211),`
	`  scaleDifference: new PartsPerMillion(-2.229)`
	`)`

to Dealul Piscului 1930 (Geographic2D)

EPSG	PHPCoord

Name: Dealul Piscului 1930 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DEALUL_PISCULUI_1930),`
	`  xAxisTranslation: new Metre(-103.25),`
	`  yAxisTranslation: new Metre(100.4),`
	`  zAxisTranslation: new Metre(307.19)`
	`)`

to Deception Island (Geographic2D)

EPSG	PHPCoord

Name: Deception Island to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Deception Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DECEPTION_ISLAND),`
	`  xAxisTranslation: new Metre(-260),`
	`  yAxisTranslation: new Metre(-12),`
	`  zAxisTranslation: new Metre(147)`
	`)`

to Deir ez Zor (Geographic2D)

EPSG	PHPCoord

Name: Deir ez Zor to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DEIR_EZ_ZOR),`
	`  xAxisTranslation: new Metre(190.421),`
	`  yAxisTranslation: new Metre(-8.532),`
	`  zAxisTranslation: new Metre(-238.69)`
	`)`

Name: Deir ez Zor to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - Deir area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DEIR_EZ_ZOR),`
	`  xAxisTranslation: new Metre(83.58),`
	`  yAxisTranslation: new Metre(397.54),`
	`  zAxisTranslation: new Metre(-458.78),`
	`  xAxisRotation: new ArcSecond(17.595),`
	`  yAxisRotation: new ArcSecond(2.847),`
	`  zAxisRotation: new ArcSecond(-4.256),`
	`  scaleDifference: new PartsPerMillion(-3.225)`
	`)`

Name: Deir ez Zor to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Syria - Shaddadeh area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DEIR_EZ_ZOR),`
	`  xAxisTranslation: new Metre(191.77),`
	`  yAxisTranslation: new Metre(-15.01),`
	`  zAxisTranslation: new Metre(-235.07)`
	`)`

to Diego Garcia 1969 (Geographic2D)

EPSG	PHPCoord

Name: Diego Garcia 1969 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: British Indian Ocean Territory - Diego Garcia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DIEGO_GARCIA_1969),`
	`  xAxisTranslation: new Metre(-208),`
	`  yAxisTranslation: new Metre(435),`
	`  zAxisTranslation: new Metre(229)`
	`)`

to Dominica 1945 (Geographic2D)

EPSG	PHPCoord

Name: Dominica 1945 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Dominica - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DOMINICA_1945),`
	`  xAxisTranslation: new Metre(-725),`
	`  yAxisTranslation: new Metre(-685),`
	`  zAxisTranslation: new Metre(-536)`
	`)`

to Douala 1948 (Geographic2D)

EPSG	PHPCoord

Name: Douala 1948 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DOUALA_1948),`
	`  xAxisTranslation: new Metre(206.1),`
	`  yAxisTranslation: new Metre(174.7),`
	`  zAxisTranslation: new Metre(87.7)`
	`)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: ED50 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Western Desert
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(130),`
	`  yAxisTranslation: new Metre(117),`
	`  zAxisTranslation: new Metre(151)`
	`)`

Name: ED50 to WGS 84 (16)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(112),`
	`  yAxisTranslation: new Metre(77),`
	`  zAxisTranslation: new Metre(145)`
	`)`

Name: ED50 to WGS 84 (31)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Western Desert
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(84),`
	`  yAxisTranslation: new Metre(103),`
	`  zAxisTranslation: new Metre(122.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.554),`
	`  scaleDifference: new PartsPerMillion(-0.2263)`
	`)`

Name: ED50 to WGS 84 (37)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jordan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(112),`
	`  yAxisTranslation: new Metre(110.3),`
	`  zAxisTranslation: new Metre(140.2)`
	`)`

Name: ED50 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq; Israel; Jordan; Lebanon; Kuwait; Saudi Arabia; Syria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(103),`
	`  yAxisTranslation: new Metre(106),`
	`  zAxisTranslation: new Metre(141)`
	`)`

Name: ED50 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - west (DMA ED50 mean)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  xAxisTranslation: new Metre(87),`
	`  yAxisTranslation: new Metre(98),`
	`  zAxisTranslation: new Metre(121)`

to ED50(ED77) (Geographic2D)

EPSG	PHPCoord

Name: ED50(ED77) to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  xAxisTranslation: new Metre(117),`
	`  yAxisTranslation: new Metre(132),`
	`  zAxisTranslation: new Metre(164)`
	`)`

Name: ED50(ED77) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  xAxisTranslation: new Metre(110.33),`
	`  yAxisTranslation: new Metre(97.73),`
	`  zAxisTranslation: new Metre(119.85),`
	`  xAxisRotation: new ArcSecond(-0.3423),`
	`  yAxisRotation: new ArcSecond(-1.1634),`
	`  zAxisRotation: new ArcSecond(-0.2715),`
	`  scaleDifference: new PartsPerMillion(-0.063)`
	`)`

Name: ED50(ED77) to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - South Pars block 11
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  xAxisTranslation: new Metre(123.02),`
	`  yAxisTranslation: new Metre(158.95),`
	`  zAxisTranslation: new Metre(168.47)`
	`)`

Name: ED50(ED77) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - South Pars blocks 2 and 3
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  xAxisTranslation: new Metre(122.89),`
	`  yAxisTranslation: new Metre(159.08),`
	`  zAxisTranslation: new Metre(168.74)`
	`)`

Name: ED50(ED77) to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Lavan Island and Balal field
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  xAxisTranslation: new Metre(84.78),`
	`  yAxisTranslation: new Metre(107.55),`
	`  zAxisTranslation: new Metre(137.25)`
	`)`

Name: ED50(ED77) to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Kharg Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  xAxisTranslation: new Metre(123.92),`
	`  yAxisTranslation: new Metre(155.515),`
	`  zAxisTranslation: new Metre(157.721)`

to ED79 (Geographic2D)

EPSG	PHPCoord

Name: ED79 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - west
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED79),`
	`  xAxisTranslation: new Metre(86),`
	`  yAxisTranslation: new Metre(98),`
	`  zAxisTranslation: new Metre(119)`
	`)`

to ED87 (Geographic2D)

EPSG	PHPCoord

Name: ED87 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - North Sea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED87),`
	`  xAxisTranslation: new Metre(82.981),`
	`  yAxisTranslation: new Metre(99.719),`
	`  zAxisTranslation: new Metre(110.709),`
	`  xAxisRotation: new MicroRadian(0.5076),`
	`  yAxisRotation: new MicroRadian(-0.1503),`
	`  zAxisRotation: new MicroRadian(-0.3898),`
	`  scaleDifference: new PartsPerMillion(0.3143)`
	`)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: ELD79 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Amal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  xAxisTranslation: new Metre(118.996),`
	`  yAxisTranslation: new Metre(111.177),`
	`  zAxisTranslation: new Metre(198.687)`
	`)`

Name: ELD79 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Sirte NC192
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  xAxisTranslation: new Metre(114.7),`
	`  yAxisTranslation: new Metre(98.5),`
	`  zAxisTranslation: new Metre(150.7)`
	`)`

Name: ELD79 to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  xAxisTranslation: new Metre(115.8543),`
	`  yAxisTranslation: new Metre(99.0583),`
	`  zAxisTranslation: new Metre(152.4616)`
	`)`

Name: ELD79 to WGS 84 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Cyrenaica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  xAxisTranslation: new Metre(117.7),`
	`  yAxisTranslation: new Metre(100.3),`
	`  zAxisTranslation: new Metre(152.4)`
	`)`

Name: ELD79 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Murzuq and En Naga
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  xAxisTranslation: new Metre(113.997),`
	`  yAxisTranslation: new Metre(97.076),`
	`  zAxisTranslation: new Metre(152.312)`
	`)`

Name: ELD79 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - Mabruk
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  xAxisTranslation: new Metre(194.513),`
	`  yAxisTranslation: new Metre(63.978),`
	`  zAxisTranslation: new Metre(25.759),`
	`  xAxisRotation: new ArcSecond(3.4024),`
	`  yAxisRotation: new ArcSecond(-3.756),`
	`  zAxisRotation: new ArcSecond(3.352),`
	`  scaleDifference: new PartsPerMillion(0.9175)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF by country
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Easter Island 1967 (Geographic2D)

EPSG	PHPCoord

Name: Easter Island 1967 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Easter Island onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EASTER_ISLAND_1967),`
	`  xAxisTranslation: new Metre(-211),`
	`  yAxisTranslation: new Metre(-147),`
	`  zAxisTranslation: new Metre(-111)`
	`)`

to Egypt 1907 (Geographic2D)

EPSG	PHPCoord

Name: Egypt 1907 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_1907),`
	`  xAxisTranslation: new Metre(127.535),`
	`  yAxisTranslation: new Metre(-113.495),`
	`  zAxisTranslation: new Metre(12.7),`
	`  xAxisRotation: new ArcSecond(-1.603747),`
	`  yAxisRotation: new ArcSecond(0.153612),`
	`  zAxisRotation: new ArcSecond(5.364408),`
	`  scaleDifference: new PartsPerMillion(-5.33745),`
	`  ordinate1OfEvaluationPoint: new Metre(4854969.728),`
	`  ordinate2OfEvaluationPoint: new Metre(2945552.013),`
	`  ordinate3OfEvaluationPoint: new Metre(2868447.61)`
	`)`

to Egypt Gulf of Suez S-650 TL (Geographic2D)

EPSG	PHPCoord

Name: Egypt Gulf of Suez S-650 TL to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - Gulf of Suez
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL),`
	`  xAxisTranslation: new Metre(146.21),`
	`  yAxisTranslation: new Metre(-112.63),`
	`  zAxisTranslation: new Metre(-4.05)`
	`)`

to FD58 (Geographic2D)

EPSG	PHPCoord

Name: FD58 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Kangan district
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FD58),`
	`  xAxisTranslation: new Metre(241.54),`
	`  yAxisTranslation: new Metre(163.64),`
	`  zAxisTranslation: new Metre(-396.06)`
	`)`

Name: FD58 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Lavan Island and Balal field
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FD58),`
	`  xAxisTranslation: new Metre(239.1),`
	`  yAxisTranslation: new Metre(170.02),`
	`  zAxisTranslation: new Metre(-397.5)`
	`)`

Name: FD58 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Kharg Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FD58),`
	`  xAxisTranslation: new Metre(244.72),`
	`  yAxisTranslation: new Metre(162.773),`
	`  zAxisTranslation: new Metre(-400.75)`
	`)`

to FEH2010 (Geographic2D)

EPSG	PHPCoord

Name: FEH2010 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Fehmarnbelt outer
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FEH2010),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Fahud (Geographic2D)

EPSG	PHPCoord

Name: Fahud to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FAHUD),`
	`  xAxisTranslation: new Metre(345),`
	`  yAxisTranslation: new Metre(-3),`
	`  zAxisTranslation: new Metre(-223)`
	`)`

to Fiji 1956 (Geographic2D)

EPSG	PHPCoord

Name: Fiji 1956 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - main islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FIJI_1956),`
	`  xAxisTranslation: new Metre(-265.025),`
	`  yAxisTranslation: new Metre(-384.929),`
	`  zAxisTranslation: new Metre(194.046)`
	`)`

to Fiji 1986 (Geographic2D)

EPSG	PHPCoord

Name: Fiji 1986 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FIJI_1986),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-4.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.554),`
	`  scaleDifference: new PartsPerMillion(-0.2263)`
	`)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: WGS 84 to GDA2020 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  xAxisTranslation: new Millimetre(61.55),`
	`  yAxisTranslation: new Millimetre(-10.87),`
	`  zAxisTranslation: new Millimetre(-40.19),`
	`  xAxisRotation: new ArcSecond(-0.0394924),`
	`  yAxisRotation: new ArcSecond(-0.0327221),`
	`  zAxisRotation: new ArcSecond(-0.0328979),`
	`  scaleDifference: new PartsPerBillion(-9.994)`
	`)`

Name: WGS 84 to GDA2020 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  offsetsFile: NTv2GDA94GDA2020AustraliaProvider-`
	`↪>provideGrid()`
	`)`

Name: GDA2020 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to GDBD2009 (Geographic2D)

EPSG	PHPCoord

Name: GDBD2009 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brunei
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDBD2009),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: GDM2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDM2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to GGRS87 (Geographic2D)

EPSG	PHPCoord

Name: GGRS87 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GGRS87),`
	`  xAxisTranslation: new Metre(199.87),`
	`  yAxisTranslation: new Metre(-74.79),`
	`  zAxisTranslation: new Metre(-246.62)`
	`)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: GR96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK-2011 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Gambia (Geographic2D)

EPSG	PHPCoord

Name: Gambia to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gambia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GAMBIA),`
	`  xAxisTranslation: new Metre(63),`
	`  yAxisTranslation: new Metre(-176),`
	`  zAxisTranslation: new Metre(-185)`
	`)`

to Gan 1970 (Geographic2D)

EPSG	PHPCoord

Name: Gan 1970 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Maldives - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GAN_1970),`
	`  xAxisTranslation: new Metre(133),`
	`  yAxisTranslation: new Metre(321),`
	`  zAxisTranslation: new Metre(-50)`
	`)`

to Grand Comoros (Geographic2D)

EPSG	PHPCoord

Name: Grand Comoros to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Comoros - Njazidja (Grande Comore)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GRAND_COMOROS),`
	`  xAxisTranslation: new Metre(963),`
	`  yAxisTranslation: new Metre(-510),`
	`  zAxisTranslation: new Metre(359)`
	`)`

to Grenada 1953 (Geographic2D)

EPSG	PHPCoord

Name: Grenada 1953 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Grenada - main island - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GRENADA_1953),`
	`  xAxisTranslation: new Metre(-72),`
	`  yAxisTranslation: new Metre(-213.7),`
	`  zAxisTranslation: new Metre(-93)`
	`)`

to Guadeloupe 1948 (Geographic2D)

EPSG	PHPCoord

Name: Guadeloupe 1948 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and surrounding islands - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GUADELOUPE_1948),`
	`  xAxisTranslation: new Metre(472.29),`
	`  yAxisTranslation: new Metre(5.63),`
	`  zAxisTranslation: new Metre(304.12),`
	`  xAxisRotation: new ArcSecond(-0.4362),`
	`  yAxisRotation: new ArcSecond(0.8374),`
	`  zAxisRotation: new ArcSecond(-0.2563),`
	`  scaleDifference: new PartsPerMillion(-1.8984)`
	`)`

to Guam 1963 (Geographic2D)

EPSG	PHPCoord

Name: Guam 1963 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GUAM_1963),`
	`  xAxisTranslation: new Metre(100),`
	`  yAxisTranslation: new Metre(248),`
	`  zAxisTranslation: new Metre(-259)`
	`)`

to Gulshan 303 (Geographic2D)

EPSG	PHPCoord

Name: Gulshan 303 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GULSHAN_303),`
	`  xAxisTranslation: new Metre(-283.729),`
	`  yAxisTranslation: new Metre(-735.942),`
	`  zAxisTranslation: new Metre(-261.143)`
	`)`

to HD1909 (Geographic2D)

EPSG	PHPCoord

Name: HD1909 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HD1909),`
	`  xAxisTranslation: new Metre(-595.48),`
	`  yAxisTranslation: new Metre(-121.69),`
	`  zAxisTranslation: new Metre(-515.35),`
	`  xAxisRotation: new ArcSecond(4.115),`
	`  yAxisRotation: new ArcSecond(-2.9383),`
	`  zAxisRotation: new ArcSecond(0.853),`
	`  scaleDifference: new PartsPerMillion(3.408)`
	`)`

to Hanoi 1972 (Geographic2D)

EPSG	PHPCoord

Name: Hanoi 1972 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - onshore Vung Tau area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HANOI_1972),`
	`  xAxisTranslation: new Metre(17.51),`
	`  yAxisTranslation: new Metre(108.32),`
	`  zAxisTranslation: new Metre(62.39)`
	`)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: Hartebeesthoek94 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - South Africa, Lesotho and Eswatini
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Helle 1954 (Geographic2D)

EPSG	PHPCoord

Name: Helle 1954 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jan Mayen - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HELLE_1954),`
	`  xAxisTranslation: new Metre(-982.6087),`
	`  yAxisTranslation: new Metre(-552.753),`
	`  zAxisTranslation: new Metre(540.873),`
	`  xAxisRotation: new MicroRadian(-32.39344),`
	`  yAxisRotation: new MicroRadian(153.25684),`
	`  zAxisRotation: new MicroRadian(96.2266),`
	`  scaleDifference: new PartsPerMillion(-16.805)`
	`)`

to Herat North (Geographic2D)

EPSG	PHPCoord

Name: Herat North to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Afghanistan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HERAT_NORTH),`
	`  xAxisTranslation: new Metre(333),`
	`  yAxisTranslation: new Metre(222),`
	`  zAxisTranslation: new Metre(-114)`
	`)`

to Hito XVIII 1963 (Geographic2D)

EPSG	PHPCoord

Name: Hito XVIII to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Tierra del Fuego onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963),`
	`  xAxisTranslation: new Metre(-18.38),`
	`  yAxisTranslation: new Metre(-192.45),`
	`  zAxisTranslation: new Metre(-96.82),`
	`  xAxisRotation: new ArcSecond(-0.056),`
	`  yAxisRotation: new ArcSecond(0.142),`
	`  zAxisRotation: new ArcSecond(0.2),`
	`  scaleDifference: new PartsPerMillion(0.0013)`
	`)`

Name: Hito XVIII 1963 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Chile - Tierra del Fuego
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963),`
	`  xAxisTranslation: new Metre(-16),`
	`  yAxisTranslation: new Metre(-196),`
	`  zAxisTranslation: new Metre(-93)`
	`)`

to Hjorsey 1955 (Geographic2D)

EPSG	PHPCoord

Name: Hjorsey 1955 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HJORSEY_1955),`
	`  xAxisTranslation: new Metre(73),`
	`  yAxisTranslation: new Metre(-47),`
	`  zAxisTranslation: new Metre(83)`
	`)`

to Hong Kong 1963(67) (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong 1963(67) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HONG_KONG_1963_67),`
	`  xAxisTranslation: new Metre(156),`
	`  yAxisTranslation: new Metre(271),`
	`  zAxisTranslation: new Metre(189)`
	`)`

to Hong Kong Geodetic CS (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong Geodetic CS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HONG_KONG_GEODETIC_CS),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Hu Tzu Shan 1950 (Geographic2D)

EPSG	PHPCoord

Name: Hu Tzu Shan 1950 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - onshore - mainland and Penghu
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HU_TZU_SHAN_1950),`
	`  xAxisTranslation: new Metre(637),`
	`  yAxisTranslation: new Metre(549),`
	`  zAxisTranslation: new Metre(203)`
	`)`

to IG05/12 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: WGS 84 to IG05/12 Intermediate CRS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IG05_12_INTERMEDIATE_CRS),`
	`  xAxisTranslation: new Metre(-23.772),`
	`  yAxisTranslation: new Metre(-17.49),`
	`  zAxisTranslation: new Metre(-17.859),`
	`  xAxisRotation: new ArcSecond(-0.3132),`
	`  yAxisRotation: new ArcSecond(-1.85274),`
	`  zAxisRotation: new ArcSecond(1.67299),`
	`  scaleDifference: new PartsPerMillion(5.4262)`
	`)`

to IGCB 1955 (Geographic2D)

EPSG	PHPCoord

Name: IGCB 1955 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Bas Congo
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGCB_1955),`
	`  xAxisTranslation: new Metre(79.9),`
	`  yAxisTranslation: new Metre(158),`
	`  zAxisTranslation: new Metre(168.9)`
	`)`

to IGN 1962 Kerguelen (Geographic2D)

EPSG	PHPCoord

Name: IGN 1962 Kerguelen to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Southern Territories - Kerguelen onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN_1962_KERGUELEN),`
	`  xAxisTranslation: new Metre(-145),`
	`  yAxisTranslation: new Metre(187),`
	`  zAxisTranslation: new Metre(-103)`
	`)`

to IGN72 Nuku Hiva (Geographic2D)

EPSG	PHPCoord

Name: IGN72 Nuku Hiva to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Marquesas Islands - Nuku Hiva
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA),`
	`  xAxisTranslation: new Metre(-165.804),`
	`  yAxisTranslation: new Metre(-216.213),`
	`  zAxisTranslation: new Metre(-180.26),`
	`  xAxisRotation: new ArcSecond(0.6251),`
	`  yAxisRotation: new ArcSecond(0.4515),`
	`  zAxisRotation: new ArcSecond(0.0721),`
	`  scaleDifference: new PartsPerMillion(-7.4111)`
	`)`

to IGRS (Geographic2D)

EPSG	PHPCoord

Name: IGRS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGRS),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to IKBD-92 (Geographic2D)

EPSG	PHPCoord

Name: IKBD-92 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq-Kuwait boundary
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IKBD_92),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: ISN2004 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: ISN2016 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to ISN93 (Geographic2D)

EPSG	PHPCoord

Name: ISN93 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN93),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Indian 1954 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1954 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Thailand - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1954),`
	`  xAxisTranslation: new Metre(-217),`
	`  yAxisTranslation: new Metre(-823),`
	`  zAxisTranslation: new Metre(-299)`
	`)`

to Indian 1960 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1960 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 14°N to 18°N onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960),`
	`  xAxisTranslation: new Metre(-198),`
	`  yAxisTranslation: new Metre(-881),`
	`  zAxisTranslation: new Metre(-317)`
	`)`

Name: Indian 1960 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Con Son Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960),`
	`  xAxisTranslation: new Metre(-182),`
	`  yAxisTranslation: new Metre(-915),`
	`  zAxisTranslation: new Metre(-344)`
	`)`

to Indian 1975 (Geographic2D)

EPSG	PHPCoord

Name: Indian 1975 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Thailand - onshore and Gulf of Thailand
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪INDIAN_1975),`
	`  xAxisTranslation: new Metre(-210),`
	`  yAxisTranslation: new Metre(-814),`
	`  zAxisTranslation: new Metre(-289)`
	`)`

Name: Indian 1975 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Thailand - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪INDIAN_1975),`
	`  xAxisTranslation: new Metre(-293),`
	`  yAxisTranslation: new Metre(-836),`
	`  zAxisTranslation: new Metre(-318),`
	`  xAxisRotation: new ArcSecond(-0.5),`
	`  yAxisRotation: new ArcSecond(-1.6),`
	`  zAxisRotation: new ArcSecond(2.8),`
	`  scaleDifference: new PartsPerMillion(-2.1)`
	`)`

to Israel 1993 (Geographic2D)

EPSG	PHPCoord

Name: Israel 1993 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ISRAEL_1993),`
	`  xAxisTranslation: new Metre(-23.772),`
	`  yAxisTranslation: new Metre(-17.49),`
	`  zAxisTranslation: new Metre(-17.859),`
	`  xAxisRotation: new ArcSecond(-0.3132),`
	`  yAxisRotation: new ArcSecond(-1.85274),`
	`  zAxisRotation: new ArcSecond(1.67299),`
	`  scaleDifference: new PartsPerMillion(5.4262)`
	`)`

to Iwo Jima 1945 (Geographic2D)

EPSG	PHPCoord

Name: Iwo Jima 1945 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Iwo Jima
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IWO_JIMA_1945),`
	`  xAxisTranslation: new Metre(-145),`
	`  yAxisTranslation: new Metre(-75),`
	`  zAxisTranslation: new Metre(272)`
	`)`

to JAD2001 (Geographic2D)

EPSG	PHPCoord

Name: JAD2001 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JAD2001),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: JGD2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan excluding northern main province
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

Name: JGD2000 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - northern Honshu
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2000),`
	`  offsetsFile: NTv2JGD2000JGD2011JapanProvider->`
	`↪provideGrid()`
	`)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: JGD2011 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2011),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Johnston Island 1961 (Geographic2D)

EPSG	PHPCoord

Name: Johnston Island 1961 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Johnston Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JOHNSTON_ISLAND_1961),`
	`  xAxisTranslation: new Metre(-189),`
	`  yAxisTranslation: new Metre(79),`
	`  zAxisTranslation: new Metre(202)`
	`)`

to Jouik 1961 (Geographic2D)

EPSG	PHPCoord

Name: Jouik 1961 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritania - north coast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JOUIK_1961),`
	`  xAxisTranslation: new Metre(80.01),`
	`  yAxisTranslation: new Metre(-253.26),`
	`  zAxisTranslation: new Metre(-291.19)`
	`)`

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: KGD2002 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KGD2002),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to KOC (Geographic2D)

EPSG	PHPCoord

Name: KOC to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOC),`
	`  xAxisTranslation: new Metre(294.7),`
	`  yAxisTranslation: new Metre(200.1),`
	`  zAxisTranslation: new Metre(-525.5)`
	`)`

to KOSOVAREF01 (Geographic2D)

EPSG	PHPCoord

Name: KOSOVAREF01 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kosovo
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOSOVAREF01),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: KSA-GRF17 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(0.008393),`
	`  yAxisRotation: new ArcSecond(-0.000749),`
	`  zAxisRotation: new ArcSecond(0.010276),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to KUDAMS (Geographic2D)

EPSG	PHPCoord

Name: Kudams to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - Kuwait City
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KUDAMS),`
	`  xAxisTranslation: new Metre(-226.702),`
	`  yAxisTranslation: new Metre(193.337),`
	`  zAxisTranslation: new Metre(35.371),`
	`  xAxisRotation: new ArcSecond(-2.229),`
	`  yAxisRotation: new ArcSecond(-4.391),`
	`  zAxisRotation: new ArcSecond(9.238),`
	`  scaleDifference: new PartsPerMillion(-0.9798)`
	`)`

to Kalianpur 1937 (Geographic2D)

EPSG	PHPCoord

Name: Kalianpur 1937 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1937),`
	`  xAxisTranslation: new Metre(-282),`
	`  yAxisTranslation: new Metre(-726),`
	`  zAxisTranslation: new Metre(-254)`
	`)`

Name: Kalianpur 1937 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Myanmar (Burma) - Moattama area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1937),`
	`  xAxisTranslation: new Metre(-214),`
	`  yAxisTranslation: new Metre(-804),`
	`  zAxisTranslation: new Metre(-268)`
	`)`

to Kalianpur 1962 (Geographic2D)

EPSG	PHPCoord

Name: Kalianpur 1962 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - Gambat
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1962),`
	`  xAxisTranslation: new Metre(-274.164),`
	`  yAxisTranslation: new Metre(-677.282),`
	`  zAxisTranslation: new Metre(-226.704)`
	`)`

Name: Kalianpur 1962 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - offshore Indus
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1962),`
	`  xAxisTranslation: new Metre(-275.57),`
	`  yAxisTranslation: new Metre(-676.78),`
	`  zAxisTranslation: new Metre(-229.6)`
	`)`

Name: Kalianpur 1962 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - Badin and Mehran
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1962),`
	`  xAxisTranslation: new Metre(-278.9),`
	`  yAxisTranslation: new Metre(-684.39),`
	`  zAxisTranslation: new Metre(-226.05)`
	`)`

Name: Kalianpur 1962 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - Karachi
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1962),`
	`  xAxisTranslation: new Metre(-271.905),`
	`  yAxisTranslation: new Metre(-669.593),`
	`  zAxisTranslation: new Metre(-231.495)`
	`)`

Name: Kalianpur 1962 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - East Sind
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KALIANPUR_1962),`
	`  xAxisTranslation: new Metre(-230.25),`
	`  yAxisTranslation: new Metre(-632.76),`
	`  zAxisTranslation: new Metre(-161.03),`
	`  xAxisRotation: new ArcSecond(1.114),`
	`  yAxisRotation: new ArcSecond(-1.115),`
	`  zAxisRotation: new ArcSecond(-1.212),`
	`  scaleDifference: new PartsPerMillion(-12.584)`
	`)`

to Kandawala (Geographic2D)

EPSG	PHPCoord

Name: Kandawala to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KANDAWALA),`
	`  xAxisTranslation: new Metre(97),`
	`  yAxisTranslation: new Metre(-787),`
	`  zAxisTranslation: new Metre(-86)`
	`)`

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Kertau 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Malaysia (west including SCS) and Singapore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KERTAU_1968),`
	`  xAxisTranslation: new Metre(11),`
	`  yAxisTranslation: new Metre(-851),`
	`  zAxisTranslation: new Metre(-5)`
	`)`

to Korean 1995 (Geographic2D)

EPSG	PHPCoord

Name: Korean 1995 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOREAN_1995),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Kusaie 1951 (Geographic2D)

EPSG	PHPCoord

Name: Kusaie 1951 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Micronesia - Kosrae (Kusaie)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KUSAIE_1951),`
	`  xAxisTranslation: new Metre(-647),`
	`  yAxisTranslation: new Metre(-1777),`
	`  zAxisTranslation: new Metre(1124)`
	`)`

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: Kyrg-06 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KYRG_06),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: LGD2006 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  xAxisTranslation: new Metre(208.4058),`
	`  yAxisTranslation: new Metre(109.8777),`
	`  zAxisTranslation: new Metre(2.5764)`
	`)`

to La Canoa (Geographic2D)

EPSG	PHPCoord

Name: La Canoa to WGS 84 (13)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  xAxisTranslation: new Metre(270.933),`
	`  yAxisTranslation: new Metre(-115.599),`
	`  zAxisTranslation: new Metre(360.226),`
	`  xAxisRotation: new ArcSecond(5.266),`
	`  yAxisRotation: new ArcSecond(1.238),`
	`  zAxisRotation: new ArcSecond(-2.381),`
	`  scaleDifference: new PartsPerMillion(5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.81)`
	`)`

Name: La Canoa to WGS 84 (18)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - east
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  xAxisTranslation: new Metre(273.5),`
	`  yAxisTranslation: new Metre(-110.6),`
	`  zAxisTranslation: new Metre(357.9)`
	`)`

to Lao 1997 (Geographic2D)

EPSG	PHPCoord

Name: Lao 1997 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Laos
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1997),`
	`  xAxisTranslation: new Metre(-44.585),`
	`  yAxisTranslation: new Metre(131.212),`
	`  zAxisTranslation: new Metre(39.544)`
	`)`

to Le Pouce 1934 (Geographic2D)

EPSG	PHPCoord

Name: Le Pouce 1934 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritius - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LE_POUCE_1934),`
	`  xAxisTranslation: new Metre(770.1),`
	`  yAxisTranslation: new Metre(-158.4),`
	`  zAxisTranslation: new Metre(498.2)`
	`)`

to Leigon (Geographic2D)

EPSG	PHPCoord

Name: Leigon to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LEIGON),`
	`  xAxisTranslation: new Metre(130),`
	`  yAxisTranslation: new Metre(-29),`
	`  zAxisTranslation: new Metre(-364)`
	`)`

to Liberia 1964 (Geographic2D)

EPSG	PHPCoord

Name: Liberia 1964 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Liberia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LIBERIA_1964),`
	`  xAxisTranslation: new Metre(90),`
	`  yAxisTranslation: new Metre(-40),`
	`  zAxisTranslation: new Metre(-88)`
	`)`

to Lisbon (Geographic2D)

EPSG	PHPCoord

Name: Lisbon to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LISBON),`
	`  xAxisTranslation: new Metre(288.885),`
	`  yAxisTranslation: new Metre(91.744),`
	`  zAxisTranslation: new Metre(-126.244),`
	`  xAxisRotation: new ArcSecond(-1.691),`
	`  yAxisRotation: new ArcSecond(0.41),`
	`  zAxisRotation: new ArcSecond(-0.211),`
	`  scaleDifference: new PartsPerMillion(4.598)`
	`)`

to Locodjo 1965 (Geographic2D)

EPSG	PHPCoord

Name: Locodjo 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast) - Abidjan area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LOCODJO_1965),`
	`  xAxisTranslation: new Metre(125),`
	`  yAxisTranslation: new Metre(-53),`
	`  zAxisTranslation: new Metre(-467)`
	`)`

to Luzon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Luzon 1911 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - onshore excluding Mindanao
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LUZON_1911),`
	`  xAxisTranslation: new Metre(133),`
	`  yAxisTranslation: new Metre(77),`
	`  zAxisTranslation: new Metre(51)`
	`)`

Name: Luzon 1911 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - Mindanao onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LUZON_1911),`
	`  xAxisTranslation: new Metre(133),`
	`  yAxisTranslation: new Metre(79),`
	`  zAxisTranslation: new Metre(72)`
	`)`

to M'poraloko (Geographic2D)

EPSG	PHPCoord

Name: M'poraloko to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gabon
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MPORALOKO),`
	`  xAxisTranslation: new Metre(80.7),`
	`  yAxisTranslation: new Metre(132.5),`
	`  zAxisTranslation: new Metre(-41.1)`
	`)`

to MACARIO SOLIS (Geographic2D)

EPSG	PHPCoord

Name: MACARIO SOLIS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Panama
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MACARIO_SOLIS),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: MAGNA-SIRGAS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAGNA_SIRGAS),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: MAGNA-SIRGAS 2018 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAGNA_SIRGAS_2018),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to MARGEN (Geographic2D)

EPSG	PHPCoord

Name: MARGEN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bolivia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARGEN),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: MGI to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - Styria
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI),`
	`  xAxisTranslation: new Metre(-601.705),`
	`  yAxisTranslation: new Metre(-84.263),`
	`  zAxisTranslation: new Metre(-485.227),`
	`  xAxisRotation: new ArcSecond(4.7354),`
	`  yAxisRotation: new ArcSecond(1.3145),`
	`  zAxisRotation: new ArcSecond(5.393),`
	`  scaleDifference: new PartsPerMillion(2.3887)`
	`)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: MGI 1901 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-682),`
	`  yAxisTranslation: new Metre(203),`
	`  zAxisTranslation: new Metre(-480)`
	`)`

Name: MGI 1901 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Montenegro - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-695.5),`
	`  yAxisTranslation: new Metre(216.6),`
	`  zAxisTranslation: new Metre(-491.1)`
	`)`

Name: MGI 1901 to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_1901),`
	`  xAxisTranslation: new Metre(-521.748),`
	`  yAxisTranslation: new Metre(-229.489),`
	`  zAxisTranslation: new Metre(-590.921),`
	`  xAxisRotation: new ArcSecond(4.029),`
	`  yAxisRotation: new ArcSecond(4.488),`
	`  zAxisRotation: new ArcSecond(-15.521),`
	`  scaleDifference: new PartsPerMillion(9.78)`
	`)`

to MMN (Geographic2D)

EPSG	PHPCoord

Name: MMN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Tierra del Fuego onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MMN),`
	`  xAxisTranslation: new Metre(9.5),`
	`  yAxisTranslation: new Metre(-122.9),`
	`  zAxisTranslation: new Metre(-138.2)`
	`)`

to MMS (Geographic2D)

EPSG	PHPCoord

Name: MMS to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Tierra del Fuego onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MMS),`
	`  xAxisTranslation: new Metre(78.1),`
	`  yAxisTranslation: new Metre(-101.6),`
	`  zAxisTranslation: new Metre(-133.3)`
	`)`

to MOP78 (Geographic2D)

EPSG	PHPCoord

Name: MOP78 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Wallis and Futuna - Wallis
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOP78),`
	`  xAxisTranslation: new Metre(-253),`
	`  yAxisTranslation: new Metre(132),`
	`  zAxisTranslation: new Metre(127)`
	`)`

to Macao 1920 (Geographic2D)

EPSG	PHPCoord

Name: Macao 1920 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_1920),`
	`  xAxisTranslation: new Metre(202.865),`
	`  yAxisTranslation: new Metre(303.99),`
	`  zAxisTranslation: new Metre(155.873),`
	`  xAxisRotation: new ArcSecond(34.079),`
	`  yAxisRotation: new ArcSecond(-76.126),`
	`  zAxisRotation: new ArcSecond(-32.66),`
	`  scaleDifference: new PartsPerMillion(-6.096),`
	`  ordinate1OfEvaluationPoint: new Metre(-2361554.788),`
	`  ordinate2OfEvaluationPoint: new Metre(5417536.177),`
	`  ordinate3OfEvaluationPoint: new Metre(2391608.926)`
	`)`

to Macao 2008 (Geographic2D)

EPSG	PHPCoord

Name: Macao 2008 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_2008),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Mahe 1971 (Geographic2D)

EPSG	PHPCoord

Name: Mahe 1971 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Seychelles - Mahe Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAHE_1971),`
	`  xAxisTranslation: new Metre(-41),`
	`  yAxisTranslation: new Metre(220),`
	`  zAxisTranslation: new Metre(134)`
	`)`

to Makassar (Geographic2D)

EPSG	PHPCoord

Name: Makassar to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Sulawesi SW
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAKASSAR),`
	`  xAxisTranslation: new Metre(587.8),`
	`  yAxisTranslation: new Metre(-519.75),`
	`  zAxisTranslation: new Metre(-145.76)`
	`)`

to Malongo 1987 (Geographic2D)

EPSG	PHPCoord

Name: Malongo 1987 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MALONGO_1987),`
	`  xAxisTranslation: new Metre(254.1),`
	`  yAxisTranslation: new Metre(5.36),`
	`  zAxisTranslation: new Metre(100.29)`
	`)`

to Manoca 1962 (Geographic2D)

EPSG	PHPCoord

Name: Manoca 1962 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MANOCA_1962),`
	`  xAxisTranslation: new Metre(70.9),`
	`  yAxisTranslation: new Metre(151.8),`
	`  zAxisTranslation: new Metre(41.4)`
	`)`

to Marcus Island 1952 (Geographic2D)

EPSG	PHPCoord

Name: Marcus Island 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARCUS_ISLAND_1952),`
	`  xAxisTranslation: new Metre(-124),`
	`  yAxisTranslation: new Metre(234),`
	`  zAxisTranslation: new Metre(25)`
	`)`

to Marshall Islands 1960 (Geographic2D)

EPSG	PHPCoord

Name: Marshall Islands 1960 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific - Marshall Islands, Wake - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARSHALL_ISLANDS_1960),`
	`  xAxisTranslation: new Metre(-102),`
	`  yAxisTranslation: new Metre(-52),`
	`  zAxisTranslation: new Metre(38)`
	`)`

to Massawa (Geographic2D)

EPSG	PHPCoord

Name: Massawa to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Eritrea
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MASSAWA),`
	`  xAxisTranslation: new Metre(-639),`
	`  yAxisTranslation: new Metre(-405),`
	`  zAxisTranslation: new Metre(-60)`
	`)`

to Mauritania 1999 (Geographic2D)

EPSG	PHPCoord

Name: Mauritania 1999 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAURITANIA_1999),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Merchich (Geographic2D)

EPSG	PHPCoord

Name: Merchich to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Morocco - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MERCHICH),`
	`  xAxisTranslation: new Metre(-31),`
	`  yAxisTranslation: new Metre(-146),`
	`  zAxisTranslation: new Metre(-47)`
	`)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: Mexico ITRF2008 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MEXICO_ITRF2008),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: Mexico ITRF92 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MEXICO_ITRF92),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Midway 1961 (Geographic2D)

EPSG	PHPCoord

Name: Midway 1961 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Midway Islands - Sand and Eastern Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MIDWAY_1961),`
	`  xAxisTranslation: new Metre(-403),`
	`  yAxisTranslation: new Metre(81),`
	`  zAxisTranslation: new Metre(-277)`
	`)`

to Minna (Geographic2D)

EPSG	PHPCoord

Name: Minna to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cameroon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  xAxisTranslation: new Metre(81),`
	`  yAxisTranslation: new Metre(84),`
	`  zAxisTranslation: new Metre(-115)`
	`)`

Name: Minna to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  xAxisTranslation: new Metre(92),`
	`  yAxisTranslation: new Metre(93),`
	`  zAxisTranslation: new Metre(-122)`
	`)`

Name: Minna to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - south
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  xAxisTranslation: new Metre(111.92),`
	`  yAxisTranslation: new Metre(87.85),`
	`  zAxisTranslation: new Metre(-114.5),`
	`  xAxisRotation: new ArcSecond(-1.875),`
	`  yAxisRotation: new ArcSecond(-0.202),`
	`  zAxisRotation: new ArcSecond(-0.219),`
	`  scaleDifference: new PartsPerMillion(-0.032)`
	`)`

to Montserrat 1958 (Geographic2D)

EPSG	PHPCoord

Name: Montserrat 1958 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Montserrat - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTSERRAT_1958),`
	`  xAxisTranslation: new Metre(-174),`
	`  yAxisTranslation: new Metre(-359),`
	`  zAxisTranslation: new Metre(-365)`
	`)`

to Moznet (Geographic2D)

EPSG	PHPCoord

Name: Moznet to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOZNET),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: NAD27 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - central (DMA tfm)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  xAxisTranslation: new Metre(3),`
	`  yAxisTranslation: new Metre(-142),`
	`  zAxisTranslation: new Metre(-183)`
	`)`

Name: NAD27 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Central America - Belize to Costa Rica
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-125),`
	`  zAxisTranslation: new Metre(-194)`
	`)`

Name: NAD27 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NAD27
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  xAxisTranslation: new Metre(10),`
	`  yAxisTranslation: new Metre(-158),`
	`  zAxisTranslation: new Metre(-187)`
	`)`

Name: NAD27 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  xAxisTranslation: new Metre(8),`
	`  yAxisTranslation: new Metre(-160),`
	`  zAxisTranslation: new Metre(-176)`
	`)`

Name: NAD27 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS east of Mississippi River - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  xAxisTranslation: new Metre(9),`
	`  yAxisTranslation: new Metre(-161),`
	`  zAxisTranslation: new Metre(-179)`
	`)`

Name: NAD27 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS west of Mississippi River - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  xAxisTranslation: new Metre(8),`
	`  yAxisTranslation: new Metre(-159),`
	`  zAxisTranslation: new Metre(-175)`
	`)`

Name: NAD27 to WGS 84 (7)	`$point->geocentricTranslation(`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: NAD27(76) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27_76),`
	`  offsetsFile:␣`
	`↪NTv2NAD27MAY76NAD831986OntarioProvider->`
	`↪provideGrid()`
	`)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: NAD27(CGQ77) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27_CGQ77),`
	`  offsetsFile:␣`
	`↪NTv2NAD27CGQ77NAD831986QuebecProvider->`
	`↪provideGrid()`
	`)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NAD83 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Canada and USA (CONUS, Alaska mainland)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

Name: NAD83 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  xAxisTranslation: new Metre(2),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-4)`
	`)`

Name: NAD83 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - main islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  xAxisTranslation: new Metre(-1),`
	`  yAxisTranslation: new Metre(-1),`
	`  zAxisTranslation: new Metre(1)`
	`)`

Name: NAD83 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997QuebecProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Saskatchewan
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS1997SaskatchewanProvider->`
	`↪provideGrid()`
	`)`

Name: NAD83 to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->offsetsFromGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  offsetsFile:␣`
	`↪NTv2NAD831986NAD83CSRS2002AlbertaProvider->`
	`↪provideGrid()`
	`)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(2011) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(CSRS) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

Name: NAD83(CSRS) to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS),`
	`  xAxisTranslation: new Metre(0.991),`
	`  yAxisTranslation: new Metre(-1.9072),`
	`  zAxisTranslation: new Metre(-0.5129),`
	`  xAxisRotation: new Radian(1.25033E-7),`
	`  yAxisRotation: new Radian(4.6785E-8),`
	`  zAxisRotation: new Radian(5.6529E-8),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(HARN) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - HARN
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

Name: NAD83(HARN) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  xAxisTranslation: new Metre(0.991),`
	`  yAxisTranslation: new Metre(-1.9072),`
	`  zAxisTranslation: new Metre(-0.5129),`
	`  xAxisRotation: new Radian(1.25033E-7),`
	`  yAxisRotation: new Radian(4.6785E-8),`
	`  zAxisRotation: new Radian(5.6529E-8),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: NAD83(NSRS2007) to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS and Alaska; PRVI
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to NGN (Geographic2D)

EPSG	PHPCoord

Name: NGN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NGN),`
	`  xAxisTranslation: new Metre(3.2),`
	`  yAxisTranslation: new Metre(5.7),`
	`  zAxisTranslation: new Metre(-2.8)`
	`)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: NZGD2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: NZGD49 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore and nearshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD49),`
	`  xAxisTranslation: new Metre(-84),`
	`  yAxisTranslation: new Metre(22),`
	`  zAxisTranslation: new Metre(-209)`
	`)`

to Nahrwan 1934 (Geographic2D)

EPSG	PHPCoord

Name: Nahrwan 1934 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAHRWAN_1934),`
	`  xAxisTranslation: new Metre(242.2),`
	`  yAxisTranslation: new Metre(144.9),`
	`  zAxisTranslation: new Metre(-370.3)`
	`)`

to Nahrwan 1967 (Geographic2D)

EPSG	PHPCoord

Name: Nahrwan 1967 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore Gulf coast
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAHRWAN_1967),`
	`  xAxisTranslation: new Metre(243),`
	`  yAxisTranslation: new Metre(192),`
	`  zAxisTranslation: new Metre(-477)`
	`)`

Name: Nahrwan 1967 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAHRWAN_1967),`
	`  xAxisTranslation: new Metre(249),`
	`  yAxisTranslation: new Metre(156),`
	`  zAxisTranslation: new Metre(-381)`
	`)`

Name: Nahrwan 1967 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Abu al Bu Khoosh
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAHRWAN_1967),`
	`  xAxisTranslation: new Metre(245),`
	`  yAxisTranslation: new Metre(153.9),`
	`  zAxisTranslation: new Metre(-382.8)`
	`)`

Name: Nahrwan 1967 to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Dubai municipality
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAHRWAN_1967),`
	`  xAxisTranslation: new Metre(250.7),`
	`  yAxisTranslation: new Metre(157.9),`
	`  zAxisTranslation: new Metre(-380.4)`
	`)`

Name: Nahrwan 1967 to WGS 84 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Abu Dhabi - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAHRWAN_1967),`
	`  xAxisTranslation: new Metre(253.4392),`
	`  yAxisTranslation: new Metre(148.452),`
	`  zAxisTranslation: new Metre(-386.5267),`
	`  xAxisRotation: new ArcSecond(0.15605),`
	`  yAxisRotation: new ArcSecond(0.43),`
	`  zAxisRotation: new ArcSecond(-0.1013),`
	`  scaleDifference: new PartsPerMillion(0.0424)`
	`)`

to Nakhl-e Ghanem (Geographic2D)

EPSG	PHPCoord

Name: Nakhl-e Ghanem to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Tombak LNG plant
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAKHL_E_GHANEM),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(0.15),`
	`  zAxisTranslation: new Metre(-0.68)`
	`)`

to Naparima 1955 (Geographic2D)

EPSG	PHPCoord

Name: Naparima 1955 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAPARIMA_1955),`
	`  xAxisTranslation: new Metre(0.465),`
	`  yAxisTranslation: new Metre(-372.095),`
	`  zAxisTranslation: new Metre(-171.736)`
	`)`

to Naparima 1972 (Geographic2D)

EPSG	PHPCoord

Name: Naparima 1972 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Tobago - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAPARIMA_1972),`
	`  xAxisTranslation: new Metre(2),`
	`  yAxisTranslation: new Metre(-374),`
	`  zAxisTranslation: new Metre(-172)`
	`)`

to Nepal 1981 (Geographic2D)

EPSG	PHPCoord

Name: Nepal 1981 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nepal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEPAL_1981),`
	`  xAxisTranslation: new Metre(-293.17),`
	`  yAxisTranslation: new Metre(-726.18),`
	`  zAxisTranslation: new Metre(-245.36)`
	`)`

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: Nord Sahara 1959 to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  xAxisTranslation: new Metre(267.407),`
	`  yAxisTranslation: new Metre(47.068),`
	`  zAxisTranslation: new Metre(-446.357),`
	`  xAxisRotation: new ArcSecond(0.179423),`
	`  yAxisRotation: new ArcSecond(-5.577661),`
	`  zAxisRotation: new ArcSecond(1.27762),`
	`  scaleDifference: new PartsPerMillion(-1.204866)`
	`)`

to Nouakchott 1965 (Geographic2D)

EPSG	PHPCoord

Name: Nouakchott 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritania - Nouakchutt
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NOUAKCHOTT_1965),`
	`  xAxisTranslation: new Metre(-124.5),`
	`  yAxisTranslation: new Metre(63.5),`
	`  zAxisTranslation: new Metre(281)`
	`)`

to OSGB36 (Geographic2D)

EPSG	PHPCoord

Name: OSGB36 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain onshore and nearshore; Isle of Man
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OSGB36),`
	`  xAxisTranslation: new Metre(-446.448),`
	`  yAxisTranslation: new Metre(125.157),`
	`  zAxisTranslation: new Metre(-542.06),`
	`  xAxisRotation: new ArcSecond(-0.15),`
	`  yAxisRotation: new ArcSecond(-0.247),`
	`  zAxisRotation: new ArcSecond(-0.842),`
	`  scaleDifference: new PartsPerMillion(20.489)`
	`)`

to OSNI 1952 (Geographic2D)

EPSG	PHPCoord

Name: OSNI 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OSNI_1952),`
	`  xAxisTranslation: new Metre(-482.5),`
	`  yAxisTranslation: new Metre(130.6),`
	`  zAxisTranslation: new Metre(-564.6),`
	`  xAxisRotation: new ArcSecond(1.042),`
	`  yAxisRotation: new ArcSecond(0.214),`
	`  zAxisRotation: new ArcSecond(0.631),`
	`  scaleDifference: new PartsPerMillion(-8.15)`
	`)`

to Observatario (Geographic2D)

EPSG	PHPCoord

Name: Observatario to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - south
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OBSERVATARIO),`
	`  xAxisTranslation: new Metre(132),`
	`  yAxisTranslation: new Metre(110),`
	`  zAxisTranslation: new Metre(335)`
	`)`

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Old Hawaiian to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OLD_HAWAIIAN),`
	`  xAxisTranslation: new Metre(-61),`
	`  yAxisTranslation: new Metre(285),`
	`  zAxisTranslation: new Metre(181)`
	`)`

Name: Old Hawaiian to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OLD_HAWAIIAN),`
	`  xAxisTranslation: new Metre(-89),`
	`  yAxisTranslation: new Metre(279),`
	`  zAxisTranslation: new Metre(183)`
	`)`

Name: Old Hawaiian to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OLD_HAWAIIAN),`
	`  xAxisTranslation: new Metre(-45),`
	`  yAxisTranslation: new Metre(290),`
	`  zAxisTranslation: new Metre(172)`
	`)`

Name: Old Hawaiian to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OLD_HAWAIIAN),`
	`  xAxisTranslation: new Metre(-65),`
	`  yAxisTranslation: new Metre(290),`
	`  zAxisTranslation: new Metre(190)`
	`)`

Name: Old Hawaiian to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OLD_HAWAIIAN),`
	`  xAxisTranslation: new Metre(-58),`
	`  yAxisTranslation: new Metre(283),`
	`  zAxisTranslation: new Metre(182)`
	`)`

to PN68 (Geographic2D)

EPSG	PHPCoord

Name: PN68 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PN68),`
	`  xAxisTranslation: new Metre(307),`
	`  yAxisTranslation: new Metre(92),`
	`  zAxisTranslation: new Metre(-127)`
	`)`

to PN84 (Geographic2D)

EPSG	PHPCoord

Name: PN84 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands western
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PN84),`
	`  xAxisTranslation: new Metre(307),`
	`  yAxisTranslation: new Metre(92),`
	`  zAxisTranslation: new Metre(-127)`
	`)`

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: PNG94 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 2007 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_2007),`
	`  xAxisTranslation: new Metre(0.41),`
	`  yAxisTranslation: new Metre(-0.46),`
	`  zAxisTranslation: new Metre(0.35)`
	`)`

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 94 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_94),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: POSGAR 98 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_98),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: PRS92 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PRS92),`
	`  xAxisTranslation: new Metre(127.62),`
	`  yAxisTranslation: new Metre(67.24),`
	`  zAxisTranslation: new Metre(47.04),`
	`  xAxisRotation: new ArcSecond(-3.068),`
	`  yAxisRotation: new ArcSecond(4.903),`
	`  zAxisRotation: new ArcSecond(1.578),`
	`  scaleDifference: new PartsPerMillion(1.06)`
	`)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: PSAD56 to WGS 84 (13)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - onshore
	`$point->coordinateFrameMolodenskyBadekas(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(270.933),`
	`  yAxisTranslation: new Metre(-115.599),`
	`  zAxisTranslation: new Metre(360.226),`
	`  xAxisRotation: new ArcSecond(5.266),`
	`  yAxisRotation: new ArcSecond(1.238),`
	`  zAxisRotation: new ArcSecond(-2.381),`
	`  scaleDifference: new PartsPerMillion(5.109),`
	`  ordinate1OfEvaluationPoint: new Metre(2464351.`
	`↪59),`
	`  ordinate2OfEvaluationPoint: new Metre(-5783466.`
	`↪61),`
	`  ordinate3OfEvaluationPoint: new Metre(974809.`
	`↪81)`
	`)`

Name: PSAD56 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - Bolivia; Chile; Ecuador; Guyana; Peru; Venezuela
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(288),`
	`  yAxisTranslation: new Metre(-175),`
	`  zAxisTranslation: new Metre(376)`
	`)`

Name: PSAD56 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bolivia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(270),`
	`  yAxisTranslation: new Metre(-188),`
	`  zAxisTranslation: new Metre(388)`
	`)`

Name: PSAD56 to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(282),`
	`  yAxisTranslation: new Metre(-169),`
	`  zAxisTranslation: new Metre(371)`
	`)`

Name: PSAD56 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ecuador - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  xAxisTranslation: new Metre(278),`
	`  yAxisTranslation: new Metre(-171),`
	`  zAxisTranslation: new Metre(367)`
	`)`

to PSD93 (Geographic2D)

EPSG	PHPCoord

Name: PSD93 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSD93),`
	`  xAxisTranslation: new Metre(180.624),`
	`  yAxisTranslation: new Metre(225.516),`
	`  zAxisTranslation: new Metre(-173.919),`
	`  xAxisRotation: new ArcSecond(0.81),`
	`  yAxisRotation: new ArcSecond(1.898),`
	`  zAxisRotation: new ArcSecond(-8.336),`
	`  scaleDifference: new PartsPerMillion(-16.71006)`
	`)`

Name: PSD93 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oman - block 4
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSD93),`
	`  xAxisTranslation: new Metre(191.808),`
	`  yAxisTranslation: new Metre(250.512),`
	`  zAxisTranslation: new Metre(-167.861),`
	`  xAxisRotation: new ArcSecond(0.792),`
	`  yAxisRotation: new ArcSecond(1.653),`
	`  zAxisRotation: new ArcSecond(-8.558),`
	`  scaleDifference: new PartsPerMillion(-20.703)`
	`)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: PTRA08 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores and Madeira
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to PZ-90 (Geographic2D)

EPSG	PHPCoord

Name: PZ-90 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PZ_90),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-1.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.076),`
	`  scaleDifference: new PartsPerMillion(-0)`
	`)`

Name: PZ-90 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PZ_90),`
	`  xAxisTranslation: new Metre(1.08),`
	`  yAxisTranslation: new Metre(0.27),`
	`  zAxisTranslation: new Metre(0.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.16),`
	`  scaleDifference: new PartsPerMillion(0.12)`
	`)`

to Palestine 1923 (Geographic2D)

EPSG	PHPCoord

Name: Palestine 1923 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PALESTINE_1923),`
	`  xAxisTranslation: new Metre(275.7224),`
	`  yAxisTranslation: new Metre(-94.7824),`
	`  zAxisTranslation: new Metre(-340.8944),`
	`  xAxisRotation: new ArcSecond(8.001),`
	`  yAxisRotation: new ArcSecond(4.42),`
	`  zAxisRotation: new ArcSecond(11.821),`
	`  scaleDifference: new PartsPerMillion(-1)`
	`)`

to Pampa del Castillo (Geographic2D)

EPSG	PHPCoord

Name: Pampa del Castillo to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 44°S to 47.5°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PAMPA_DEL_CASTILLO),`
	`  xAxisTranslation: new Metre(233.43),`
	`  yAxisTranslation: new Metre(-6.65),`
	`  zAxisTranslation: new Metre(-173.64)`
	`)`

to Perroud 1950 (Geographic2D)

EPSG	PHPCoord

Name: Perroud 1950 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land coastal area
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PERROUD_1950),`
	`  xAxisTranslation: new Metre(-325),`
	`  yAxisTranslation: new Metre(-154),`
	`  zAxisTranslation: new Metre(-172)`
	`)`

to Peru96 (Geographic2D)

EPSG	PHPCoord

Name: Peru96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PERU96),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Petrels 1972 (Geographic2D)

EPSG	PHPCoord

Name: Petrels 1972 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land - Petrels island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PETRELS_1972),`
	`  xAxisTranslation: new Metre(-365),`
	`  yAxisTranslation: new Metre(-194),`
	`  zAxisTranslation: new Metre(-166)`
	`)`

to Phoenix Islands 1966 (Geographic2D)

EPSG	PHPCoord

Name: Phoenix Islands 1966 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kiribati - Phoenix Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PHOENIX_ISLANDS_1966),`
	`  xAxisTranslation: new Metre(-298),`
	`  yAxisTranslation: new Metre(304),`
	`  zAxisTranslation: new Metre(375)`
	`)`

to Pitcairn 1967 (Geographic2D)

EPSG	PHPCoord

Name: Pitcairn 1967 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pitcairn - Pitcairn Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PITCAIRN_1967),`
	`  xAxisTranslation: new Metre(-185),`
	`  yAxisTranslation: new Metre(-165),`
	`  zAxisTranslation: new Metre(-42)`
	`)`

to Pitcairn 2006 (Geographic2D)

EPSG	PHPCoord

Name: Pitcairn 2006 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pitcairn - Pitcairn Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PITCAIRN_2006),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Point 58 (Geographic2D)

EPSG	PHPCoord

Name: Point 58 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Burkina Faso and SW Niger
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POINT_58),`
	`  xAxisTranslation: new Metre(106),`
	`  yAxisTranslation: new Metre(129),`
	`  zAxisTranslation: new Metre(-165)`
	`)`

to Pointe Noire (Geographic2D)

EPSG	PHPCoord

Name: Pointe Noire to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POINTE_NOIRE),`
	`  xAxisTranslation: new Metre(148),`
	`  yAxisTranslation: new Metre(-51),`
	`  zAxisTranslation: new Metre(291)`
	`)`

Name: Pointe Noire to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo - coastal area and offshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POINTE_NOIRE),`
	`  xAxisTranslation: new Metre(178.3),`
	`  yAxisTranslation: new Metre(316.7),`
	`  zAxisTranslation: new Metre(131.5),`
	`  xAxisRotation: new ArcSecond(-5.278),`
	`  yAxisRotation: new ArcSecond(-6.077),`
	`  zAxisRotation: new ArcSecond(-10.979),`
	`  scaleDifference: new PartsPerMillion(-19.166)`
	`)`

to Porto Santo (Geographic2D)

EPSG	PHPCoord

Name: Porto Santo to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira archipelago onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO),`
	`  xAxisTranslation: new Metre(499),`
	`  yAxisTranslation: new Metre(249),`
	`  zAxisTranslation: new Metre(-314)`
	`)`

to Porto Santo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Porto Santo 1995 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira and Porto Santo islands onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO_1995),`
	`  xAxisTranslation: new Metre(502.862),`
	`  yAxisTranslation: new Metre(247.438),`
	`  zAxisTranslation: new Metre(-312.724)`
	`)`

Name: Porto Santo 1995 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira and Porto Santo islands onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO_1995),`
	`  xAxisTranslation: new Metre(210.502),`
	`  yAxisTranslation: new Metre(66.902),`
	`  zAxisTranslation: new Metre(48.476),`
	`  xAxisRotation: new ArcSecond(2.094),`
	`  yAxisRotation: new ArcSecond(-15.067),`
	`  zAxisRotation: new ArcSecond(-5.817),`
	`  scaleDifference: new PartsPerMillion(-0.485)`
	`)`

to Puerto Rico (Geographic2D)

EPSG	PHPCoord

Name: Puerto Rico to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and Virgin Islands - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PUERTO_RICO),`
	`  xAxisTranslation: new Metre(-11),`
	`  yAxisTranslation: new Metre(-72),`
	`  zAxisTranslation: new Metre(101)`
	`)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-28),`
	`  yAxisTranslation: new Metre(130),`
	`  zAxisTranslation: new Metre(95)`
	`)`

Name: Pulkovo 1942 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-24),`
	`  yAxisTranslation: new Metre(124),`
	`  zAxisTranslation: new Metre(82)`
	`)`

Name: Pulkovo 1942 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kazakhstan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-15),`
	`  yAxisTranslation: new Metre(130),`
	`  zAxisTranslation: new Metre(84)`
	`)`

Name: Pulkovo 1942 to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kazakhstan - Caspian Sea
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-43.822),`
	`  yAxisTranslation: new Metre(108.842),`
	`  zAxisTranslation: new Metre(119.585),`
	`  xAxisRotation: new ArcSecond(-1.455),`
	`  yAxisRotation: new ArcSecond(0.761),`
	`  zAxisRotation: new ArcSecond(-0.737),`
	`  scaleDifference: new PartsPerMillion(-0.549)`
	`)`

Name: Pulkovo 1942 to WGS 84 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  xAxisTranslation: new Metre(-21.58719),`
	`  yAxisTranslation: new Metre(97.54127),`
	`  zAxisTranslation: new Metre(60.92546),`
	`  xAxisRotation: new ArcSecond(1.01378),`
	`  yAxisRotation: new ArcSecond(0.58117),`
	`  zAxisRotation: new ArcSecond(0.2348),`
	`  scaleDifference: new PartsPerMillion(4.6121)`
	`)`

Name: Pulkovo 1942 to WGS 84 (16) Code:	`$point->coordinateFrameRotation(` `  to: Geographic2D::fromSRID(Geographic2D::EPSG_`

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(58) to WGS 84 (18)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-44.107),`
	`  yAxisTranslation: new Metre(116.147),`
	`  zAxisTranslation: new Metre(54.648)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-28),`
	`  yAxisTranslation: new Metre(121),`
	`  zAxisTranslation: new Metre(77)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-23),`
	`  yAxisTranslation: new Metre(124),`
	`  zAxisTranslation: new Metre(82)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-24),`
	`  yAxisTranslation: new Metre(130),`
	`  zAxisTranslation: new Metre(92)`
	`)`

Name: Pulkovo 1942(58) to WGS 84 (22)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - north of 41°18'N and east of 19°09'E
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_58),`
	`  xAxisTranslation: new Metre(-74.5),`
	`  yAxisTranslation: new Metre(112.5),`
	`  zAxisTranslation: new Metre(44.3)`
	`)`

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1942(83) to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_83),`
	`  xAxisTranslation: new Metre(-28),`
	`  yAxisTranslation: new Metre(121),`
	`  zAxisTranslation: new Metre(77)`
	`)`

Name: Pulkovo 1942(83) to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_83),`
	`  xAxisTranslation: new Metre(-26),`
	`  yAxisTranslation: new Metre(121),`
	`  zAxisTranslation: new Metre(78)`
	`)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Pulkovo 1995 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  xAxisTranslation: new Metre(-24.47),`
	`  yAxisTranslation: new Metre(130.89),`
	`  zAxisTranslation: new Metre(81.56),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(0.13),`
	`  scaleDifference: new PartsPerMillion(0.22)`
	`)`

to QND95 (Geographic2D)

EPSG	PHPCoord

Name: QND95 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QND95),`
	`  xAxisTranslation: new Metre(119.4248),`
	`  yAxisTranslation: new Metre(303.65872),`
	`  zAxisTranslation: new Metre(11.00061),`
	`  xAxisRotation: new ArcSecond(-1.164298),`
	`  yAxisRotation: new ArcSecond(-0.174458),`
	`  zAxisRotation: new ArcSecond(-1.096259),`
	`  scaleDifference: new PartsPerMillion(-3.657065)`
	`)`

to Qatar 1974 (Geographic2D)

EPSG	PHPCoord

Name: Qatar 1974 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1974),`
	`  xAxisTranslation: new Metre(128.033),`
	`  yAxisTranslation: new Metre(283.697),`
	`  zAxisTranslation: new Metre(-21.052)`
	`)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Qornoq 1927 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west coast
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  xAxisTranslation: new Metre(-163.511),`
	`  yAxisTranslation: new Metre(-127.533),`
	`  zAxisTranslation: new Metre(159.789),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.6)`
	`)`

to REGCAN95 (Geographic2D)

EPSG	PHPCoord

Name: REGCAN95 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REGCAN95),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: REGVEN to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REGVEN),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: RGAF09 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - French Antilles
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGAF09),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGFG95 (Geographic2D)

EPSG	PHPCoord

Name: RGFG95 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Guiana
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGFG95),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGM04 (Geographic2D)

EPSG	PHPCoord

Name: RGM04 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mayotte
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGM04),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: RGNC15 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC15),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: RGNC91-93 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGNC91_93),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: RGPF to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGR92 (Geographic2D)

EPSG	PHPCoord

Name: RGR92 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGR92),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: RGSH2020 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSH2020),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: RGTAAF07 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Southern and Antarctic Territories
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGTAAF07),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RGWF96 (Geographic2D)

EPSG	PHPCoord

Name: RGWF96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Wallis and Futuna
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGWF96),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: RSAO13 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RSAO13),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: RSRGD2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Ross Sea Region
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RSRGD2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Rassadiran (Geographic2D)

EPSG	PHPCoord

Name: Rassadiran to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Taheri refinery
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RASSADIRAN),`
	`  xAxisTranslation: new Metre(133.63),`
	`  yAxisTranslation: new Metre(157.5),`
	`  zAxisTranslation: new Metre(158.62)`
	`)`

to Reykjavik 1900 (Geographic2D)

EPSG	PHPCoord

Name: Reykjavik 1900 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REYKJAVIK_1900),`
	`  xAxisTranslation: new Metre(28),`
	`  yAxisTranslation: new Metre(-199),`
	`  zAxisTranslation: new Metre(-5)`
	`)`

to S-JTSK (Geographic2D)

EPSG	PHPCoord

Name: S-JTSK to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪S_JTSK),`
	`  xAxisTranslation: new Metre(-589),`
	`  yAxisTranslation: new Metre(-76),`
	`  zAxisTranslation: new Metre(-480)`
	`)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: SAD69 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - onshore north of 45°S
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(57),`
	`  yAxisTranslation: new Metre(-1),`
	`  zAxisTranslation: new Metre(41)`
	`)`

Name: SAD69 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(62),`
	`  yAxisTranslation: new Metre(1),`
	`  zAxisTranslation: new Metre(37)`
	`)`

Name: SAD69 to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bolivia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(61),`
	`  yAxisTranslation: new Metre(-2),`
	`  zAxisTranslation: new Metre(48)`
	`)`

Name: SAD69 to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - onshore south of 14°S and east of 53°W
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(60),`
	`  yAxisTranslation: new Metre(2),`
	`  zAxisTranslation: new Metre(41)`
	`)`

Name: SAD69 to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(44),`
	`  yAxisTranslation: new Metre(-6),`
	`  zAxisTranslation: new Metre(36)`
	`)`

Name: SAD69 to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ecuador - mainland onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  xAxisTranslation: new Metre(48),`
	`  yAxisTranslation: new Metre(-3),`
	`  zAxisTranslation: new Metre(44)`
	`)`

Name: SAD69 to WGS 84 (8)	`$point->geocentricTranslation(`

to SHGD2015 (Geographic2D)

EPSG	PHPCoord

Name: SHGD2015 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SHGD2015),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS 1995 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - SIRGAS 1995 by country
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_1995),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS 2000 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latin America - SIRGAS 2000 by country
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SIRGAS-ROU98 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS-ROU98 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Uruguay
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_ROU98),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SIRGAS_ES2007.8 (Geographic2D)

EPSG	PHPCoord

Name: SIRGAS_ES2007.8 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: El Salvador
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_ES2007_8),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to SLD99 (Geographic2D)

EPSG	PHPCoord

Name: SLD99 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SLD99),`
	`  xAxisTranslation: new Metre(0.293),`
	`  yAxisTranslation: new Metre(-766.95),`
	`  zAxisTranslation: new Metre(-87.713),`
	`  xAxisRotation: new ArcSecond(0.195704),`
	`  yAxisRotation: new ArcSecond(1.695068),`
	`  zAxisRotation: new ArcSecond(3.473016),`
	`  scaleDifference: new PartsPerMillion(0.039338)`
	`)`

to ST71 Belep (Geographic2D)

EPSG	PHPCoord

Name: ST71 Belep to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST71_BELEP),`
	`  xAxisTranslation: new Metre(480.26),`
	`  yAxisTranslation: new Metre(438.32),`
	`  zAxisTranslation: new Metre(643.429),`
	`  xAxisRotation: new ArcSecond(-16.3119),`
	`  yAxisRotation: new ArcSecond(-20.1721),`
	`  zAxisRotation: new ArcSecond(4.0349),`
	`  scaleDifference: new PartsPerMillion(111.7002)`
	`)`

to SVY21 (Geographic2D)

EPSG	PHPCoord

Name: SVY21 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Singapore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SVY21),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Saint Pierre et Miquelon 1950 (Geographic2D)

EPSG	PHPCoord

Name: Saint Pierre et Miquelon 1950 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Pierre and Miquelon - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAINT_PIERRE_ET_MIQUELON_1950),`
	`  xAxisTranslation: new Metre(-11.363),`
	`  yAxisTranslation: new Metre(-424.148),`
	`  zAxisTranslation: new Metre(-373.13)`
	`)`

to Santo 1965 (Geographic2D)

EPSG	PHPCoord

Name: Santo 1965 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vanuatu - northern islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SANTO_1965),`
	`  xAxisTranslation: new Metre(-170),`
	`  yAxisTranslation: new Metre(-42),`
	`  zAxisTranslation: new Metre(-84)`
	`)`

to Sapper Hill 1943 (Geographic2D)

EPSG	PHPCoord

Name: Sapper Hill 1943 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Falkland Islands - East Falkland Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAPPER_HILL_1943),`
	`  xAxisTranslation: new Metre(355),`
	`  yAxisTranslation: new Metre(-21),`
	`  zAxisTranslation: new Metre(-72)`
	`)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: Schwarzeck to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCHWARZECK),`
	`  xAxisTranslation: new Metre(-615.64),`
	`  yAxisTranslation: new Metre(-102.08),`
	`  zAxisTranslation: new Metre(255.81)`
	`)`

to Scoresbysund 1952 (Geographic2D)

EPSG	PHPCoord

Name: Scoresbysund 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - Scoresbysund area
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCORESBYSUND_1952),`
	`  xAxisTranslation: new Metre(-105),`
	`  yAxisTranslation: new Metre(-326),`
	`  zAxisTranslation: new Metre(102.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.6)`
	`)`

to Segara (Geographic2D)

EPSG	PHPCoord

Name: Segara to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan E
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SEGARA),`
	`  xAxisTranslation: new Metre(403),`
	`  yAxisTranslation: new Metre(-684),`
	`  zAxisTranslation: new Metre(-41)`
	`)`

Name: Segara to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Kalimantan SE
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SEGARA),`
	`  xAxisTranslation: new Metre(387.06),`
	`  yAxisTranslation: new Metre(-636.53),`
	`  zAxisTranslation: new Metre(-46.29)`
	`)`

Name: Segara to WGS 84 (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - northeast Kalimantan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SEGARA),`
	`  xAxisTranslation: new Metre(403.4),`
	`  yAxisTranslation: new Metre(-681.12),`
	`  zAxisTranslation: new Metre(-46.56)`
	`)`

to Selvagem Grande (Geographic2D)

EPSG	PHPCoord

Name: Selvagem Grande to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Selvagens onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SELVAGEM_GRANDE),`
	`  xAxisTranslation: new Metre(289),`
	`  yAxisTranslation: new Metre(124),`
	`  zAxisTranslation: new Metre(-60)`
	`)`

to Sierra Leone 1968 (Geographic2D)

EPSG	PHPCoord

Name: Sierra Leone 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sierra Leone - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIERRA_LEONE_1968),`
	`  xAxisTranslation: new Metre(88),`
	`  yAxisTranslation: new Metre(-4),`
	`  zAxisTranslation: new Metre(-101)`
	`)`

to Solomon 1968 (Geographic2D)

EPSG	PHPCoord

Name: Solomon 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Solomon Islands - New Georgia - Ghizo (Gizo)
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SOLOMON_1968),`
	`  xAxisTranslation: new Metre(-230),`
	`  yAxisTranslation: new Metre(199),`
	`  zAxisTranslation: new Metre(752)`
	`)`

Name: Solomon 1968 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Solomon Islands - Guadalcanal Island
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SOLOMON_1968),`
	`  xAxisTranslation: new Metre(-252),`
	`  yAxisTranslation: new Metre(209),`
	`  zAxisTranslation: new Metre(751)`
	`)`

to South East Island 1943 (Geographic2D)

EPSG	PHPCoord

Name: South East Island 1943 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Seychelles - Seychelles Bank
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_EAST_ISLAND_1943),`
	`  xAxisTranslation: new Metre(76.269),`
	`  yAxisTranslation: new Metre(16.683),`
	`  zAxisTranslation: new Metre(-68.562),`
	`  xAxisRotation: new ArcSecond(6.275),`
	`  yAxisRotation: new ArcSecond(-10.536),`
	`  zAxisRotation: new ArcSecond(4.286),`
	`  scaleDifference: new PartsPerMillion(13.686)`
	`)`

to South Georgia 1968 (Geographic2D)

EPSG	PHPCoord

Name: South Georgia 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Georgia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_GEORGIA_1968),`
	`  xAxisTranslation: new Metre(794),`
	`  yAxisTranslation: new Metre(-119),`
	`  zAxisTranslation: new Metre(298)`
	`)`

to St. Kitts 1955 (Geographic2D)

EPSG	PHPCoord

Name: St. Kitts 1955 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Kitts and Nevis - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_KITTS_1955),`
	`  xAxisTranslation: new Metre(-9),`
	`  yAxisTranslation: new Metre(-183),`
	`  zAxisTranslation: new Metre(-236)`
	`)`

to St. Lucia 1955 (Geographic2D)

EPSG	PHPCoord

Name: St. Lucia 1955 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Lucia - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST_LUCIA_1955),`
	`  xAxisTranslation: new Metre(153),`
	`  yAxisTranslation: new Metre(-153),`
	`  zAxisTranslation: new Metre(-307)`
	`)`

to St. Vincent 1945 (Geographic2D)

EPSG	PHPCoord

Name: St. Vincent 1945 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Vincent and the Grenadines - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ST_VINCENT_1945),`
	`  xAxisTranslation: new Metre(-195.671),`
	`  yAxisTranslation: new Metre(-332.517),`
	`  zAxisTranslation: new Metre(-274.607)`
	`)`

to TGD2005 (Geographic2D)

EPSG	PHPCoord

Name: TGD2005 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tonga
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TGD2005),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to TWD97 (Geographic2D)

EPSG	PHPCoord

Name: TWD97 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TWD97),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Tahiti 52 (Geographic2D)

EPSG	PHPCoord

Name: Tahiti 52 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: French Polynesia - Society Islands - Moorea and Tahiti
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_52),`
	`  xAxisTranslation: new Metre(-162),`
	`  yAxisTranslation: new Metre(-117),`
	`  zAxisTranslation: new Metre(-154)`
	`)`

to Tananarive (Geographic2D)

EPSG	PHPCoord

Name: Tananarive to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE),`
	`  xAxisTranslation: new Metre(198.383),`
	`  yAxisTranslation: new Metre(240.517),`
	`  zAxisTranslation: new Metre(107.909)`
	`)`

to Tapi Aike (Geographic2D)

EPSG	PHPCoord

Name: Tapi Aike to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - south Santa Cruz
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAPI_AIKE),`
	`  xAxisTranslation: new Metre(192.26),`
	`  yAxisTranslation: new Metre(-65.72),`
	`  zAxisTranslation: new Metre(-132.08)`
	`)`

to Tern Island 1961 (Geographic2D)

EPSG	PHPCoord

Name: Tern Island 1961 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Tern Island and Sorel Atoll
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TERN_ISLAND_1961),`
	`  xAxisTranslation: new Metre(-114),`
	`  yAxisTranslation: new Metre(116),`
	`  zAxisTranslation: new Metre(333)`
	`)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Tokyo to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore mainland and adjacent islands
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  xAxisTranslation: new Metre(148),`
	`  yAxisTranslation: new Metre(-507),`
	`  zAxisTranslation: new Metre(-685)`
	`)`

Name: Tokyo to WGS 84 (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Okinawa
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  xAxisTranslation: new Metre(158),`
	`  yAxisTranslation: new Metre(-507),`
	`  zAxisTranslation: new Metre(-676)`
	`)`

Name: Tokyo to WGS 84 (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  xAxisTranslation: new Metre(147),`
	`  yAxisTranslation: new Metre(-506),`
	`  zAxisTranslation: new Metre(-687)`
	`)`

to Trinidad 1903 (Geographic2D)

EPSG	PHPCoord

Name: Trinidad 1903 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TRINIDAD_1903),`
	`  xAxisTranslation: new Metre(61.702),`
	`  yAxisTranslation: new Metre(-284.488),`
	`  zAxisTranslation: new Metre(-472.052)`
	`)`

to Tristan 1968 (Geographic2D)

EPSG	PHPCoord

Name: Tristan 1968 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - Tristan da Cunha
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TRISTAN_1968),`
	`  xAxisTranslation: new Metre(632),`
	`  yAxisTranslation: new Metre(-438),`
	`  zAxisTranslation: new Metre(609)`
	`)`

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: VN-2000 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - onshore
	`$point->coordinateFrameRotation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VN_2000),`
	`  xAxisTranslation: new Metre(191.90441429),`
	`  yAxisTranslation: new Metre(39.30318279),`
	`  zAxisTranslation: new Metre(111.45032835),`
	`  xAxisRotation: new ArcSecond(0.00928836),`
	`  yAxisRotation: new ArcSecond(-0.01975479),`
	`  zAxisRotation: new ArcSecond(0.00427372),`
	`  scaleDifference: new PartsPerMillion(-0.`
	`↪252906278)`
	`)`

to Vanua Levu 1915 (Geographic2D)

EPSG	PHPCoord

Name: Vanua Levu 1915 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Vanua Levu and Taveuni
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VANUA_LEVU_1915),`
	`  xAxisTranslation: new Metre(-51),`
	`  yAxisTranslation: new Metre(-391),`
	`  zAxisTranslation: new Metre(36)`
	`)`

to Viti Levu 1912 (Geographic2D)

EPSG	PHPCoord

Name: Viti Levu 1912 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Viti Levu
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VITI_LEVU_1912),`
	`  xAxisTranslation: new Metre(-98),`
	`  yAxisTranslation: new Metre(-390),`
	`  zAxisTranslation: new Metre(22)`
	`)`

to Voirol 1875 (Geographic2D)

EPSG	PHPCoord

Name: Voirol 1875 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 32°N
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VOIROL_1875),`
	`  xAxisTranslation: new Metre(73),`
	`  yAxisTranslation: new Metre(247),`
	`  zAxisTranslation: new Metre(-227)`
	`)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: WGS 72 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-4.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.554),`
	`  scaleDifference: new PartsPerMillion(-0.2263)`
	`)`

Name: WGS 72 to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-4.5),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.554),`
	`  scaleDifference: new PartsPerMillion(-0.219)`
	`)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: WGS 72BE to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-1.9),`
	`  xAxisRotation: new ArcSecond(-0),`
	`  yAxisRotation: new ArcSecond(-0),`
	`  zAxisRotation: new ArcSecond(-0.814),`
	`  scaleDifference: new PartsPerMillion(0.38)`
	`)`

to WGS 84 (G2139) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 to WGS 84 (G2139) (geog2D to geocen)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139)`
	`)`

to WGS 84 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84)`
	`)`

to WGS 84 / Andaman and Nicobar (Projected)

EPSG	PHPCoord

Name: Andaman and Nicobar NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Andaman and Nicobar Islands
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ANDAMAN_AND_NICOBAR),`
	`  latitudeOfNaturalOrigin: new Degree(10.25),`
	`  longitudeOfNaturalOrigin: new Degree(93.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999428),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Andhra Pradesh (Projected)

EPSG	PHPCoord

Name: Andhra Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Andhra Pradesh and Telangana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ANDHRA_PRADESH),`
	`  latitudeOfFalseOrigin: new Degree(16.25543298),`
	`  longitudeOfFalseOrigin: new Degree(80.875),`
	`  latitudeOf1stStandardParallel: new Degree(13.75),`
	`  latitudeOf2ndStandardParallel: new Degree(18.75),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Antarctic Polar Stereographic (Projected)

EPSG	PHPCoord

Name: Antarctic Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ANTARCTIC_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(-71),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Arctic Polar Stereographic (Projected)

EPSG	PHPCoord

Name: Arctic Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ARCTIC_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(71),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Arunachal Pradesh (Projected)

EPSG	PHPCoord

Name: Arunachal Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Arunachal Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ARUNACHAL_PRADESH),`
	`  latitudeOfFalseOrigin: new Degree(28.00157897),`
	`  longitudeOfFalseOrigin: new Degree(94.5),`
	`  latitudeOf1stStandardParallel: new Degree(27),`
	`  latitudeOf2ndStandardParallel: new Degree(29),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Assam (Projected)

EPSG	PHPCoord

Name: Assam NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Assam
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ASSAM),`
	`  latitudeOfFalseOrigin: new Degree(26.00257703),`
	`  longitudeOfFalseOrigin: new Degree(92.75),`
	`  latitudeOf1stStandardParallel: new Degree(24.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(27.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Australian Antarctic Lambert (Projected)

EPSG	PHPCoord

Name: Australian Antarctic Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Australian sector north of 80°S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-50),`
	`  longitudeOfFalseOrigin: new Degree(70),`
	`  latitudeOf1stStandardParallel: new Degree(-68.5),`
	`  latitudeOf2ndStandardParallel: new Degree(-74.5),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

to WGS 84 / Australian Antarctic Polar Stereographic (Projected)

EPSG	PHPCoord

Name: Australian Antarctic Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Australian sector
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(-71),`
	`  longitudeOfOrigin: new Degree(70),`
	`  falseEasting: new Metre(6000000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

to WGS 84 / Australian Centre for Remote Sensing Lambert (Projected)

EPSG	PHPCoord

Name: Australian Centre for Remote Sensing Lambert Conformal Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_CENTRE_FOR_REMOTE_SENSING_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-27),`
	`  longitudeOfFalseOrigin: new Degree(132),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / BLM 14N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 14N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 102°W to 96°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_BLM_14N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 / BLM 15N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 15N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 96°W to 90°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_BLM_15N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 / BLM 16N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 16N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 90°W to 84°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_BLM_16N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 / BLM 17N (ftUS) (Projected)

EPSG	PHPCoord

Name: BLM zone 17N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 84°W to 78°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_BLM_17N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 / Bihar (Projected)

EPSG	PHPCoord

Name: Bihar NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Bihar
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_BIHAR),`
	`  latitudeOfFalseOrigin: new Degree(25.87725247),`
	`  longitudeOfFalseOrigin: new Degree(85.875),`
	`  latitudeOf1stStandardParallel: new Degree(24.625),`
	`  latitudeOf2ndStandardParallel: new Degree(27.125),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / CIG92 (Projected)

EPSG	PHPCoord

Name: Christmas Island Grid 1992
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Christmas Island - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_CIG92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

to WGS 84 / CKIG92 (Projected)

EPSG	PHPCoord

Name: Cocos Island Grid 1992
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_CKIG92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1400000)`
	`)`

to WGS 84 / Cape Verde National (Projected)

EPSG	PHPCoord

Name: Cape Verde National
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cape Verde
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_CAPE_VERDE_NATIONAL),`
	`  latitudeOfFalseOrigin: new Degree(15.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-24),`
	`  latitudeOf1stStandardParallel: new Degree(15),`
	`  latitudeOf2ndStandardParallel: new Degree(16.666666666667),`
	`  eastingAtFalseOrigin: new Metre(161587.83),`
	`  northingAtFalseOrigin: new Metre(128511.202)`
	`)`

to WGS 84 / Chhattisgarh (Projected)

EPSG	PHPCoord

Name: Chhattisgarh NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Chhattisgarh
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_CHHATTISGARH),`
	`  latitudeOfNaturalOrigin: new Degree(21),`
	`  longitudeOfNaturalOrigin: new Degree(82.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998332),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Delhi (Projected)

EPSG	PHPCoord

Name: Delhi NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Delhi
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_DELHI),`
	`  latitudeOfFalseOrigin: new Degree(28.62510126),`
	`  longitudeOfFalseOrigin: new Degree(77),`
	`  latitudeOf1stStandardParallel: new Degree(28.375),`
	`  latitudeOf2ndStandardParallel: new Degree(28.875),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Dubai Local TM (Projected)

EPSG	PHPCoord

Name: Dubai Local Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Dubai municipality
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_DUBAI_LOCAL_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(55.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / EPSG Alaska Polar Stereographic (Projected)

EPSG	PHPCoord

Name: EPSG Alaska Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ALASKA_POLAR_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / EPSG Arctic Regional zone A1 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 156°W to 66°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_A1),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone A2 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 84°W to 6°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_A2),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone A3 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 12°W to 78°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_A3),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(33),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone A4 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 60°E to 150°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_A4),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(105),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone A5 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 132°E to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_A5),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(177),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone B1 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 156°W to 66°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_B1),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone B2 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 84°W to 6°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_B2),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone B3 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 12°W to 78°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_B3),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(33),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone B4 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 60°E to 150°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_B4),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(105),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone B5 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 132°E to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_B5),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(177),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone C1 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 156°W to 66°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_C1),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪101270888889),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone C2 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 84°W to 6°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_C2),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone C3 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 12°W to 78°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_C3),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(33),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone C4 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 60°E to 150°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_C4),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪101270888889),`
	`  longitudeOfFalseOrigin: new Degree(105),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic Regional zone C5 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 132°E to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_REGIONAL_ZONE_C5),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪101270888889),`
	`  longitudeOfFalseOrigin: new Degree(177),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / EPSG Arctic zone 1-21 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 180°W to 120°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_1_21),`
	`  latitudeOfFalseOrigin: new Degree(85.`
	`↪437118333333),`
	`  longitudeOfFalseOrigin: new Degree(-150),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(21500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

to WGS 84 / EPSG Arctic zone 1-27 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 0°E to 60°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_1_27),`
	`  latitudeOfFalseOrigin: new Degree(85.`
	`↪437118333333),`
	`  longitudeOfFalseOrigin: new Degree(30),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(27500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

to WGS 84 / EPSG Arctic zone 1-29 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 60°E to 120°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_1_29),`
	`  latitudeOfFalseOrigin: new Degree(85.`
	`↪437118333333),`
	`  longitudeOfFalseOrigin: new Degree(90),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

to WGS 84 / EPSG Arctic zone 1-31 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 120°E to 180°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_1_31),`
	`  latitudeOfFalseOrigin: new Degree(85.`
	`↪437118333333),`
	`  longitudeOfFalseOrigin: new Degree(150),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

to WGS 84 / EPSG Arctic zone 2-10 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 146°E to 174°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_10),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(10500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to WGS 84 / EPSG Arctic zone 2-12 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 174°W to 135°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_12),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(12500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to WGS 84 / EPSG Arctic zone 2-24 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 33°E to 73°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_2_24),`
	`  latitudeOfFalseOrigin: new Degree(82.`
	`↪058424888889),`
	`  longitudeOfFalseOrigin: new Degree(53),`
	`  latitudeOf1stStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(24500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to WGS 84 / EPSG Arctic zone 2-26 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 73°E to 113°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_2_26),`
	`  latitudeOfFalseOrigin: new Degree(82.`
	`↪058424888889),`
	`  longitudeOfFalseOrigin: new Degree(93),`
	`  latitudeOf1stStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(26500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to WGS 84 / EPSG Arctic zone 2-28 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 113°E to 153°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_2_28),`
	`  latitudeOfFalseOrigin: new Degree(82.`
	`↪058424888889),`
	`  longitudeOfFalseOrigin: new Degree(133),`
	`  latitudeOf1stStandardParallel: new Degree(83.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(28500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

to WGS 84 / EPSG Arctic zone 3-13 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 35°E to 67°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_3_13),`
	`  latitudeOfFalseOrigin: new Degree(78.`
	`↪707337527778),`
	`  longitudeOfFalseOrigin: new Degree(52),`
	`  latitudeOf1stStandardParallel: new Degree(80.`
	`↪333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(13500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to WGS 84 / EPSG Arctic zone 3-15 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 67°E to 98°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_3_15),`
	`  latitudeOfFalseOrigin: new Degree(78.`
	`↪707337527778),`
	`  longitudeOfFalseOrigin: new Degree(83),`
	`  latitudeOf1stStandardParallel: new Degree(80.`
	`↪333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(15500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to WGS 84 / EPSG Arctic zone 3-17 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 98°E to 129°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_3_17),`
	`  latitudeOfFalseOrigin: new Degree(78.`
	`↪707337527778),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(80.`
	`↪333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(17500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to WGS 84 / EPSG Arctic zone 3-19 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 129°E to 160°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_19),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(19500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to WGS 84 / EPSG Arctic zone 3-21 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 160°E to 169°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_21),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(176),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(21500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to WGS 84 / EPSG Arctic zone 3-23 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 169°W to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_23),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-153),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(23500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-12 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 169°W to 141°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_12),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-155),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(12500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-30 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 46°E to 70°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_4_30),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(58),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(30500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-32 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 70°E to 94°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_4_32),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(82),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(32500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-34 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 94°E to 118°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_4_34),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(106),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(34500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-36 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 118°E to 142°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_4_36),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(130),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(36500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-38 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 142°E to 166°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_4_38),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(154),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(38500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 4-40 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 166°E to 169°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_4_40),`
	`  latitudeOfFalseOrigin: new Degree(75.`
	`↪3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(179),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  eastingAtFalseOrigin: new Metre(40500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-15 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 44°E to 64°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_5_15),`
	`  latitudeOfFalseOrigin: new Degree(72.`
	`↪025009194444),`
	`  longitudeOfFalseOrigin: new Degree(54),`
	`  latitudeOf1stStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(15500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-17 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 64°E to 85°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_5_17),`
	`  latitudeOfFalseOrigin: new Degree(72.`
	`↪025009194444),`
	`  longitudeOfFalseOrigin: new Degree(74),`
	`  latitudeOf1stStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(17500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-19 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 85°E to 106°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_19),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(95),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(19500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-21 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 106°E to 127°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_21),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(116),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(21500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-23 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 127°E to 148°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_5_23),`
	`  latitudeOfFalseOrigin: new Degree(72.`
	`↪025009194444),`
	`  longitudeOfFalseOrigin: new Degree(137),`
	`  latitudeOf1stStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(23500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-25 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 148°E to 169°E
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_ARCTIC_ZONE_5_25),`
	`  latitudeOfFalseOrigin: new Degree(72.`
	`↪025009194444),`
	`  longitudeOfFalseOrigin: new Degree(158),`
	`  latitudeOf1stStandardParallel: new Degree(73.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(25500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Arctic zone 5-27 (Projected)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 169°E to 169°W
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_27),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(179),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(27500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

to WGS 84 / EPSG Canada Polar Stereographic (Projected)

EPSG	PHPCoord

Name: EPSG Canada Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_CANADA_POLAR_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / EPSG Greenland Polar Stereographic (Projected)

EPSG	PHPCoord

Name: EPSG Greenland Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_GREENLAND_POLAR_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / EPSG Norway Polar Stereographic (Projected)

EPSG	PHPCoord

Name: EPSG Norway Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_NORWAY_POLAR_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / EPSG Russia Polar Stereographic (Projected)

EPSG	PHPCoord

Name: EPSG Russia Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EPSG_RUSSIA_POLAR_STEREOGRAPHIC),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / Equal Earth Americas (Projected)

EPSG	PHPCoord

Name: Equal Earth Americas
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equalEarth(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EQUAL_EARTH_AMERICAS),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Equal Earth Asia-Pacific (Projected)

EPSG	PHPCoord

Name: Equal Earth Asia-Pacific
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equalEarth(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EQUAL_EARTH_ASIA_PACIFIC),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Equal Earth Greenwich (Projected)

EPSG	PHPCoord

Name: Equal Earth Greenwich
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equalEarth(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪EQUAL_EARTH_GREENWICH),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / GLANCE Africa (Projected)

EPSG	PHPCoord

Name: GLANCE projection - Africa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪GLANCE_AFRICA),`
	`  latitudeOfNaturalOrigin: new Degree(5),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / GLANCE Asia (Projected)

EPSG	PHPCoord

Name: GLANCE projection - Asia
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪GLANCE_ASIA),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / GLANCE Europe (Projected)

EPSG	PHPCoord

Name: GLANCE projection - Europe
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪GLANCE_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(55),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / GLANCE North America (Projected)

EPSG	PHPCoord

Name: GLANCE projection - North America
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_NORTH_AMERICA),`
	`  latitudeOfNaturalOrigin: new Degree(50),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / GLANCE Oceania (Projected)

EPSG	PHPCoord

Name: GLANCE projection - Oceania
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oceania - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_OCEANIA),`
	`  latitudeOfNaturalOrigin: new Degree(-15),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / GLANCE South America (Projected)

EPSG	PHPCoord

Name: GLANCE projection - South America
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_SOUTH_AMERICA),`
	`  latitudeOfNaturalOrigin: new Degree(-15),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Gabon TM (Projected)

EPSG	PHPCoord

Name: Gabon Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gabon - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GABON_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

to WGS 84 / Gabon TM 2011 (Projected)

EPSG	PHPCoord

Name: Gabon Transverse Mercator 2011
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gabon
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GABON_TM_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(5500000)`
	`)`

to WGS 84 / Goa (Projected)

EPSG	PHPCoord

Name: Goa NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Goa
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GOA),`
	`  latitudeOfNaturalOrigin: new Degree(15.375),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999913),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Gujarat (Projected)

EPSG	PHPCoord

Name: Gujarat NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Gujarat
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_GUJARAT),`
	`  latitudeOfFalseOrigin: new Degree(22.37807121),`
	`  longitudeOfFalseOrigin: new Degree(71.375),`
	`  latitudeOf1stStandardParallel: new Degree(20.791666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(23.958333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Haryana (Projected)

EPSG	PHPCoord

Name: Haryana NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Haryana
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_HARYANA),`
	`  latitudeOfFalseOrigin: new Degree(29.25226266),`
	`  longitudeOfFalseOrigin: new Degree(76),`
	`  latitudeOf1stStandardParallel: new Degree(28.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.416666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Himachal Pradesh (Projected)

EPSG	PHPCoord

Name: Himachal Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Himachal Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_HIMACHAL_PRADESH),`
	`  latitudeOfFalseOrigin: new Degree(31.75183497),`
	`  longitudeOfFalseOrigin: new Degree(77.375),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(32.75),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / IBCAO Polar Stereographic (Projected)

EPSG	PHPCoord

Name: IBCAO Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_IBCAO_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(75),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / IBCSO Polar Stereographic (Projected)

EPSG	PHPCoord

Name: IBCSO Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - south of 50°S
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_IBCSO_POLAR_STEREOGRAPHIC),`
	`  latitudeOfStandardParallel: new Degree(-65),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / India NSF LCC (Projected)

EPSG	PHPCoord

Name: Survey of India Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_INDIA_NSF_LCC),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(80),`
	`  latitudeOf1stStandardParallel: new Degree(12.472955),`
	`  latitudeOf2ndStandardParallel: new Degree(35.172804444444),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

to WGS 84 / India Northeast (Projected)

EPSG	PHPCoord

Name: Northeast India NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - northeast
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_INDIA_NORTHEAST),`
	`  latitudeOfFalseOrigin: new Degree(25.63452135),`
	`  longitudeOfFalseOrigin: new Degree(93.5),`
	`  latitudeOf1stStandardParallel: new Degree(23.041666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(28.208333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Jammu and Kashmir (Projected)

EPSG	PHPCoord

Name: Jammu and Kashmir NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Jammu and Kashmir
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_JAMMU_AND_KASHMIR),`
	`  latitudeOfFalseOrigin: new Degree(34.75570874),`
	`  longitudeOfFalseOrigin: new Degree(76.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.416666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Jharkhand (Projected)

EPSG	PHPCoord

Name: Jharkhand NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Jharkhand
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_JHARKHAND),`
	`  latitudeOfFalseOrigin: new Degree(23.62652682),`
	`  longitudeOfFalseOrigin: new Degree(85.625),`
	`  latitudeOf1stStandardParallel: new Degree(22.541666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(24.708333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Karnataka (Projected)

EPSG	PHPCoord

Name: Karnataka NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Karnataka
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_KARNATAKA),`
	`  latitudeOfNaturalOrigin: new Degree(15.125),`
	`  longitudeOfNaturalOrigin: new Degree(76.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998012),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Kerala (Projected)

EPSG	PHPCoord

Name: Kerala NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Kerala
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_KERALA),`
	`  latitudeOfNaturalOrigin: new Degree(10.5),`
	`  longitudeOfNaturalOrigin: new Degree(76),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999177),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Lakshadweep (Projected)

EPSG	PHPCoord

Name: Lakshadweep NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Lakshadweep
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_LAKSHADWEEP),`
	`  latitudeOfNaturalOrigin: new Degree(10),`
	`  longitudeOfNaturalOrigin: new Degree(73.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999536),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Madhya Pradesh (Projected)

EPSG	PHPCoord

Name: Madhya Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Madhya Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_MADHYA_PRADESH),`
	`  latitudeOfFalseOrigin: new Degree(24.00529821),`
	`  longitudeOfFalseOrigin: new Degree(78.375),`
	`  latitudeOf1stStandardParallel: new Degree(22),`
	`  latitudeOf2ndStandardParallel: new Degree(26),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Maharashtra (Projected)

EPSG	PHPCoord

Name: Maharashtra NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Maharashtra
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_MAHARASHTRA),`
	`  latitudeOfFalseOrigin: new Degree(18.88015774),`
	`  longitudeOfFalseOrigin: new Degree(76.75),`
	`  latitudeOf1stStandardParallel: new Degree(16.625),`
	`  latitudeOf2ndStandardParallel: new Degree(21.125),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Manipur (Projected)

EPSG	PHPCoord

Name: Manipur NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Manipur
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_MANIPUR),`
	`  latitudeOfFalseOrigin: new Degree(24.75060911),`
	`  longitudeOfFalseOrigin: new Degree(94),`
	`  latitudeOf1stStandardParallel: new Degree(24.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(25.416666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Meghalaya (Projected)

EPSG	PHPCoord

Name: Meghalaya NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Meghalaya
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_MEGHALAYA),`
	`  latitudeOfFalseOrigin: new Degree(25.62524747),`
	`  longitudeOfFalseOrigin: new Degree(91.375),`
	`  latitudeOf1stStandardParallel: new Degree(25.208333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.041666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Mercator 41 (Projected)

EPSG	PHPCoord

Name: Mercator 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - offshore Pacific Ocean, Southern Ocean
	`$point->mercatorVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_MERCATOR_41),`
	`  latitudeOf1stStandardParallel: new Degree(-41),`
	`  longitudeOfNaturalOrigin: new Degree(100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Mizoram (Projected)

EPSG	PHPCoord

Name: Mizoram NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Mizoram
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_MIZORAM),`
	`  latitudeOfNaturalOrigin: new Degree(23.125),`
	`  longitudeOfNaturalOrigin: new Degree(92.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999821),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / NIWA Albers (Projected)

EPSG	PHPCoord

Name: NIWA Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - offshore Pacific Ocean, Southern Ocean
	`$point->albersEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_NIWA_ALBERS),`
	`  latitudeOfFalseOrigin: new Degree(-40),`
	`  longitudeOfFalseOrigin: new Degree(175),`
	`  latitudeOf1stStandardParallel: new Degree(-30),`
	`  latitudeOf2ndStandardParallel: new Degree(-50),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / NSIDC EASE-Grid 2.0 Global (Projected)

EPSG	PHPCoord

Name: US NSIDC EASE-Grid 2.0 Global
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 86°S to 86°N
	`$point->lambertCylindricalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_GLOBAL),`
	`  latitudeOf1stStandardParallel: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / NSIDC EASE-Grid 2.0 North (Projected)

EPSG	PHPCoord

Name: US NSIDC EASE-Grid 2.0 North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 0°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_NORTH),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / NSIDC EASE-Grid 2.0 South (Projected)

EPSG	PHPCoord

Name: US NSIDC EASE-Grid 2.0 South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - south of 0°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / NSIDC Sea Ice Polar Stereographic North (Projected)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic north
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_NORTH),`
	`  latitudeOfStandardParallel: new Degree(70),`
	`  longitudeOfOrigin: new Degree(-45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / NSIDC Sea Ice Polar Stereographic South (Projected)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic south
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_SOUTH),`
	`  latitudeOfStandardParallel: new Degree(-70),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Nagaland (Projected)

EPSG	PHPCoord

Name: Nagaland NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Nagaland
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NAGALAND),`
	`  latitudeOfFalseOrigin: new Degree(26.12581974),`
	`  longitudeOfFalseOrigin: new Degree(94.375),`
	`  latitudeOf1stStandardParallel: new Degree(25.`
	`↪375),`
	`  latitudeOf2ndStandardParallel: new Degree(26.`
	`↪875),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / North Pole LAEA Alaska (Projected)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Alaska)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NORTH_POLE_LAEA_ALASKA),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / North Pole LAEA Atlantic (Projected)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Atlantic)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NORTH_POLE_LAEA_ATLANTIC),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-40),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / North Pole LAEA Bering Sea (Projected)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Bering Sea)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NORTH_POLE_LAEA_BERING_SEA),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / North Pole LAEA Canada (Projected)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Canada)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NORTH_POLE_LAEA_CANADA),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / North Pole LAEA Europe (Projected)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Europe)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NORTH_POLE_LAEA_EUROPE),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / North Pole LAEA Russia (Projected)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Russia)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪NORTH_POLE_LAEA_RUSSIA),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Orissa (Projected)

EPSG	PHPCoord

Name: Orissa NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Odisha
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_ORISSA),`
	`  latitudeOfFalseOrigin: new Degree(20.25305174),`
	`  longitudeOfFalseOrigin: new Degree(84.375),`
	`  latitudeOf1stStandardParallel: new Degree(18.583333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(21.916666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / PDC Mercator (Projected)

EPSG	PHPCoord

Name: Pacific Disaster Center Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific Ocean
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_PDC_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Pseudo-Mercator (Projected)

EPSG	PHPCoord

Name: Popular Visualisation Pseudo-Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->popularVisualisationPseudoMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_PSEUDO_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Punjab (Projected)

EPSG	PHPCoord

Name: Punjab NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Punjab
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_PUNJAB),`
	`  latitudeOfFalseOrigin: new Degree(31.00178226),`
	`  longitudeOfFalseOrigin: new Degree(75.375),`
	`  latitudeOf1stStandardParallel: new Degree(30),`
	`  latitudeOf2ndStandardParallel: new Degree(32),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Rajasthan (Projected)

EPSG	PHPCoord

Name: Rajasthan NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Rajasthan
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_RAJASTHAN),`
	`  latitudeOfFalseOrigin: new Degree(26.88505546),`
	`  longitudeOfFalseOrigin: new Degree(73.875),`
	`  latitudeOf1stStandardParallel: new Degree(24.291666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(29.458333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / SCAR IMW SP19-20 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SP19-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 60°S to 64°S, 72°W to 60°W (SP19-20)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP19_20),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(-60.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-63.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SP21-22 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SP21-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 60°S to 64°S, 60°W to 48°W (SP21-22)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP21_22),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-54),`
	`  latitudeOf1stStandardParallel: new Degree(-60.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-63.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SP23-24 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SP23-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 60°S to 64°S, 48°W to 36°W (SP23-24)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP23_24),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-42),`
	`  latitudeOf1stStandardParallel: new Degree(-60.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-63.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ01-02 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ01-02
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 180°W to 168°W (SQ01-02)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ01_02),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-174),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ19-20 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ19-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 72°W to 60°W (SQ19-20)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SQ19_20),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ21-22 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ21-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 60°W to 48°W (SQ21-22)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SQ21_22),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-54),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ37-38 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ37-38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 36°E to 48°E (SQ37-38)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SQ37_38),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(42),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ39-40 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ39-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 48°E to 60°E (SQ39-40)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SQ39_40),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(54),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ41-42 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ41-42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 60°E to 72°E (SQ41-42)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ41_42),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(66),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ43-44 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ43-44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 72°E to 84°E (SQ43-44)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ43_44),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(78),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ45-46 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ45-46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 84°E to 96°E (SQ45-46)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ45_46),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(90),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ47-48 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ47-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 96°E to 108°E (SQ47-48)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ47_48),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(102),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ49-50 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ49-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 108°E to 120°E (SQ49-50)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ49_50),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ51-52 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ51-52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 120°E to 132°E (SQ51-52)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ51_52),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(126),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ53-54 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ53-54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 132°E to 144°E (SQ53-54)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ53_54),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(138),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ55-56 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ55-56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 144°E to 156°E (SQ55-56)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ55_56),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(150),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SQ57-58 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SQ57-58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 156°E to 168°E (SQ57-58)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ57_58),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(162),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR13-14 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR13-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 108°W to 96°W (SR13-14)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR13_14),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-102),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR15-16 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR15-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 96°W to 84°W (SR15-16)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR15_16),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR17-18 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR17-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 84°W to 72°W (SR17-18)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR17_18),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-78),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR19-20 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR19-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 72°W to 60°W (SR19-20)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SR19_20),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR27-28 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR27-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 24°W to 12°W (SR27-28)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SR27_28),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-18),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR29-30 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR29-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 12°W to 0°W (SR29-30)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SR29_30),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-6),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR31-32 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR31-32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 0°E to 12°E (SR31-32)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_SR31_32),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(6),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR33-34 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR33-34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 12°E to 24°E (SR33-34)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR33_34),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(18),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR35-36 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR35-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 24°E to 36°E (SR35-36)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR35_36),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(30),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR37-38 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR37-38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 36°E to 48°E (SR37-38)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR37_38),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(42),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR39-40 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR39-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 48°E to 60°E (SR39-40)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR39_40),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(54),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR41-42 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR41-42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 60°E to 72°E (SR41-42)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR41_42),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(66),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR43-44 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR43-44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 72°E to 84°E (SR43-44)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR43_44),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(78),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR45-46 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR45-46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 84°E to 96°E (SR45-46)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR45_46),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(90),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR47-48 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR47-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 96°E to 108°E (SR47-48)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR47_48),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(102),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR49-50 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR49-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 108°E to 120°E (SR49-50)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR49_50),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR51-52 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR51-52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 120°E to 132°E (SR51-52)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR51_52),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(126),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR53-54 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR53-54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 132°E to 144°E (SR53-54)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR53_54),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(138),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR55-56 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR55-56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 144°E to 156°E (SR55-56)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR55_56),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(150),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR57-58 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR57-58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 156°E to 168°E (SR57-58)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR57_58),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(162),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SR59-60 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SR59-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 168°E to 180°E (SR59-60)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR59_60),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(174),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS04-06 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS04-06
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 162°W to 144°W (SS04-06)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS04_06),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-153),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS07-09 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS07-09
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 144°W to 126°W (SS07-09)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS07_09),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-135),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS10-12 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS10-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 126°W to 108°W (SS10-12)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS10_12),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-117),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS13-15 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS13-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 108°W to 90°W (SS13-15)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS13_15),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS16-18 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS16-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 90°W to 72°W (SS16-18)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS16_18),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS19-21 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS19-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 72°W to 54°W (SS19-21)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS19_21),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-63),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS25-27 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS25-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 36°W to 18°W (SS25-27)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS25_27),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-27),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS28-30 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS28-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 18°W to 0°W (SS28-30)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS28_30),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-9),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS31-33 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS31-33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 0°E to 18°E (SS31-33)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS31_33),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(9),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS34-36 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS34-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 18°E to 36°E (SS34-36)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS34_36),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(27),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS37-39 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS37-39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 36°E to 54°E (SS37-39)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS37_39),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(45),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS40-42 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS40-42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 54°E to 72°E (SS40-42)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS40_42),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(63),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS43-45 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS43-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 72°E to 90°E (SS43-45)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS43_45),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(81),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS46-48 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS46-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 90°E to 108°E (SS46-48)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS46_48),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(99),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS49-51 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS49-51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 108°E to 126°E (SS49-51)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS49_51),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(117),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS52-54 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS52-54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 126°E to 144°E (SS52-54)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS52_54),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(135),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS55-57 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS55-57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 144°E to 162°E (SS55-57)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS55_57),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(153),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SS58-60 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SS58-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 162°E to 180°E (SS58-60)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS58_60),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(171),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST01-04 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST01-04
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 180°W to 156°W (ST01-04)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST01_04),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-168),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST05-08 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST05-08
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 156°W to 132°W (ST05-08)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST05_08),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-144),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST09-12 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST09-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 132°W to 108°W (ST09-12)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST09_12),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST13-16 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST13-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 108°W to 84°W (ST13-16)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST13_16),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST17-20 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST17-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 84°W to 60°W (ST17-20)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_ST17_20),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-72),`
	`  latitudeOf1stStandardParallel: new Degree(-76.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST21-24 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST21-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 60°W to 36°W (ST21-24)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪SCAR_IMW_ST21_24),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-48),`
	`  latitudeOf1stStandardParallel: new Degree(-76.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST25-28 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST25-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 36°W to 12°W (ST25-28)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST25_28),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-24),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST29-32 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST29-32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 12°W to 12°E (ST29-32)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST29_32),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(0),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST33-36 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST33-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 12°E to 36°E (ST33-36)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST33_36),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(24),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST37-40 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST37-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 36°E to 60°E (ST37-40)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST37_40),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(48),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST41-44 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST41-44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 60°E to 84°E (ST41-44)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST41_44),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(72),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST45-48 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST45-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 84°E to 108°E (ST45-48)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST45_48),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(96),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST49-52 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST49-52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 108°E to 132°E (ST49-52)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST49_52),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(120),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST53-56 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST53-56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 132°E to 156°E (ST53-56)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST53_56),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(144),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW ST57-60 (Projected)

EPSG	PHPCoord

Name: SCAR IMW ST57-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 156°E to 180°E (ST57-60)
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST57_60),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(168),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU01-05 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU01-05
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 180°W to 150°W (SU01-05)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU01_05),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-165),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU06-10 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU06-10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 150°W to 120°W (SU06-10)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU06_10),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-135),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU11-15 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU11-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 120°W to 90°W (SU11-15)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU11_15),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-105),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU16-20 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU16-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 90°W to 60°W (SU16-20)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU16_20),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-75),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU21-25 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU21-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 60°W to 30°W (SU21-25)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU21_25),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU26-30 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU26-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 30°W to 0°W (SU26-30)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU26_30),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-15),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU31-35 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU31-35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 0°E to 30°E (SU31-35)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU31_35),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(15),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU36-40 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU36-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 30°E to 60°E (SU36-40)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU36_40),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU41-45 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU41-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 60°E to 90°E (SU41-45)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU41_45),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(75),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU46-50 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU46-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 90°E to 120°E (SU46-50)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU46_50),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(105),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU51-55 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU51-55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 120°E to 150°E (SU51-55)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU51_55),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(135),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SU56-60 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SU56-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 150°E to 180° (SU56-60)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU56_60),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(165),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SV01-10 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SV01-10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 180°W to 120°W (SV01-10)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV01_10),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SV11-20 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SV11-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 120°W to 60°W (SV11-20)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV11_20),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SV21-30 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SV21-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 60°W to 0°W (SV21-30)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV21_30),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-30),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SV31-40 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SV31-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 0°E to 60°E (SV31-40)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV31_40),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(30),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SV41-50 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SV41-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 60°E to 120°E (SV41-50)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV41_50),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SV51-60 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SV51-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 120°E to 180°E (SV51-60)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV51_60),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / SCAR IMW SW01-60 (Projected)

EPSG	PHPCoord

Name: SCAR IMW SW01-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 88°S to 90°S, 180°W to 180°E (SW01-60)
	`$point->polarStereographicVariantB(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SW01_60),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Sikkim (Projected)

EPSG	PHPCoord

Name: Sikkim NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Sikkim
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SIKKIM),`
	`  latitudeOfNaturalOrigin: new Degree(27.625),`
	`  longitudeOfNaturalOrigin: new Degree(88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999926),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / South Georgia Lambert (Projected)

EPSG	PHPCoord

Name: South Georgia Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Georgia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_SOUTH_GEORGIA_LAMBERT),`
	`  latitudeOfFalseOrigin: new Degree(-55),`
	`  longitudeOfFalseOrigin: new Degree(-37),`
	`  latitudeOf1stStandardParallel: new Degree(-54),`
	`  latitudeOf2ndStandardParallel: new Degree(-54.75),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / TM 116 SE (Projected)

EPSG	PHPCoord

Name: TM 116 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Bali Sea west
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_116_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(116),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / TM 12 SE (Projected)

EPSG	PHPCoord

Name: TM 12 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_12_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / TM 132 SE (Projected)

EPSG	PHPCoord

Name: TM 132 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - West Papua - Tangguh
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_132_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / TM 36 SE (Projected)

EPSG	PHPCoord

Name: TM 36 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_36_SE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / TM 6 NE (Projected)

EPSG	PHPCoord

Name: TM 6 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3°E to 9°E - by country
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_6_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / TM 60 SW (Projected)

EPSG	PHPCoord

Name: TM 60 SW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Falkland Islands - offshore 63°W to 57°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_60_SW),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / TM 90 NE (Projected)

EPSG	PHPCoord

Name: TM 90 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh, Bangladesh - onshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_90_NE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / TM Zone 20N (ftUS) (Projected)

EPSG	PHPCoord

Name: TM Zone 20N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - offshore west of 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_20N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 / TM Zone 21N (ftUS) (Projected)

EPSG	PHPCoord

Name: TM Zone 21N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - offshore east of 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪TM_ZONE_21N_FTUS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

to WGS 84 / TMzn35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪TMZN35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / TMzn36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪TMZN36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / Tamil Nadu (Projected)

EPSG	PHPCoord

Name: Tamil Nadu NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Tamil Nadu
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TAMIL_NADU),`
	`  latitudeOfNaturalOrigin: new Degree(10.875),`
	`  longitudeOfNaturalOrigin: new Degree(78.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9997942),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / Tripura (Projected)

EPSG	PHPCoord

Name: Tripura NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Tripura
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_TRIPURA),`
	`  latitudeOfNaturalOrigin: new Degree(23.75),`
	`  longitudeOfNaturalOrigin: new Degree(91.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999822),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / UPS North (E,N) (Projected)

EPSG	PHPCoord

Name: Universal Polar Stereographic North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / UPS North (N,E) (Projected)

EPSG	PHPCoord

Name: Universal Polar Stereographic North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / UPS South (E,N) (Projected)

EPSG	PHPCoord

Name: Universal Polar Stereographic South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_E_N),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / UPS South (N,E) (Projected)

EPSG	PHPCoord

Name: Universal Polar Stereographic South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_N_E),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

to WGS 84 / USGS Transantarctic Mountains (Projected)

EPSG	PHPCoord

Name: USGS Transantarctic Mountains
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Transantarctic mountains north of 80°S
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_USGS_TRANSANTARCTIC_MOUNTAINS),`
	`  latitudeOfFalseOrigin: new Degree(-78),`
	`  longitudeOfFalseOrigin: new Degree(162),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

to WGS 84 / UTM grid system (northern hemisphere) (Projected)

EPSG	PHPCoord

Name: UTM grid system (northern hemisphere)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°N to 84°N
	`$point->transverseMercatorZonedGrid(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_NORTHERN_HEMISPHERE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  initialLongitude: new Degree(-180),`
	`  zoneWidth: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM grid system (southern hemisphere) (Projected)

EPSG	PHPCoord

Name: UTM grid system (southern hemisphere)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°N to 80°S
	`$point->transverseMercatorZonedGrid(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪UTM_GRID_SYSTEM_SOUTHERN_HEMISPHERE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  initialLongitude: new Degree(-180),`
	`  zoneWidth: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 10N (Projected)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪UTM_ZONE_10N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 10S (Projected)

EPSG	PHPCoord

Name: UTM zone 10S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_`
	`↪UTM_ZONE_10S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 11N (Projected)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 11S (Projected)

EPSG	PHPCoord

Name: UTM zone 11S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 12N (Projected)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 12S (Projected)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 13N (Projected)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 13S (Projected)

EPSG	PHPCoord

Name: UTM zone 13S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 14N (Projected)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 14S (Projected)

EPSG	PHPCoord

Name: UTM zone 14S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 15N (Projected)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 15S (Projected)

EPSG	PHPCoord

Name: UTM zone 15S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 16N (Projected)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 16S (Projected)

EPSG	PHPCoord

Name: UTM zone 16S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 17N (Projected)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 17S (Projected)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 18N (Projected)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 18S (Projected)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 19N (Projected)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 19S (Projected)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 1N (Projected)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 1S (Projected)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 20N (Projected)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 20S (Projected)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 21S (Projected)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 22N (Projected)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 22S (Projected)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 23N (Projected)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 23S (Projected)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 24N (Projected)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 24S (Projected)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 25N (Projected)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 25S (Projected)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 26N (Projected)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 26S (Projected)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 27N (Projected)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 27S (Projected)

EPSG	PHPCoord

Name: UTM zone 27S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 28S (Projected)

EPSG	PHPCoord

Name: UTM zone 28S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 29N (Projected)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 29S (Projected)

EPSG	PHPCoord

Name: UTM zone 29S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 2N (Projected)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 2S (Projected)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 30N (Projected)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 30S (Projected)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 31N (Projected)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 31S (Projected)

EPSG	PHPCoord

Name: UTM zone 31S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 32N (Projected)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 32S (Projected)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 33N (Projected)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 33S (Projected)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 34N (Projected)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 34S (Projected)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 35N (Projected)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 35S (Projected)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 36N (Projected)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 36S (Projected)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 37S (Projected)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 38S (Projected)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 39S (Projected)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 3N (Projected)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 3S (Projected)

EPSG	PHPCoord

Name: UTM zone 3S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 40S (Projected)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 41N (Projected)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 41S (Projected)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 42N (Projected)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 42S (Projected)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 43N (Projected)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 43S (Projected)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 44N (Projected)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 44S (Projected)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 45N (Projected)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 45S (Projected)

EPSG	PHPCoord

Name: UTM zone 45S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 46N (Projected)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 46S (Projected)

EPSG	PHPCoord

Name: UTM zone 46S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 47N (Projected)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 47S (Projected)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 48N (Projected)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 48S (Projected)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 49N (Projected)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 49S (Projected)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 4N (Projected)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 4S (Projected)

EPSG	PHPCoord

Name: UTM zone 4S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 50N (Projected)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 50S (Projected)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 51N (Projected)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 51S (Projected)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 52N (Projected)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 52S (Projected)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 53N (Projected)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 53S (Projected)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 54N (Projected)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 54S (Projected)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 55N (Projected)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 55S (Projected)

EPSG	PHPCoord

Name: UTM zone 55S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 56N (Projected)

EPSG	PHPCoord

Name: UTM zone 56N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 56S (Projected)

EPSG	PHPCoord

Name: UTM zone 56S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 57N (Projected)

EPSG	PHPCoord

Name: UTM zone 57N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 57S (Projected)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 58N (Projected)

EPSG	PHPCoord

Name: UTM zone 58N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 58S (Projected)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 59N (Projected)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 59S (Projected)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 5N (Projected)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 5S (Projected)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 60N (Projected)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 60S (Projected)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 6N (Projected)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 6S (Projected)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 7N (Projected)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 7S (Projected)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 8N (Projected)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 8S (Projected)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / UTM zone 9N (Projected)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / UTM zone 9S (Projected)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9S),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

to WGS 84 / Uttar Pradesh (Projected)

EPSG	PHPCoord

Name: Uttar Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Uttar Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTTAR_PRADESH),`
	`  latitudeOfFalseOrigin: new Degree(27.13270823),`
	`  longitudeOfFalseOrigin: new Degree(80.875),`
	`  latitudeOf1stStandardParallel: new Degree(24.875),`
	`  latitudeOf2ndStandardParallel: new Degree(29.375),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / Uttaranchal (Projected)

EPSG	PHPCoord

Name: Uttaranchal NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Uttarakhand
	`$point->lambertConicConformal2SP(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_UTTARANCHAL),`
	`  latitudeOfFalseOrigin: new Degree(30.0017132),`
	`  longitudeOfFalseOrigin: new Degree(79.375),`
	`  latitudeOf1stStandardParallel: new Degree(29),`
	`  latitudeOf2ndStandardParallel: new Degree(31),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

to WGS 84 / West Bengal (Projected)

EPSG	PHPCoord

Name: West Bengal NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - West Bengal
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_WEST_BENGAL),`
	`  latitudeOfNaturalOrigin: new Degree(24.375),`
	`  longitudeOfNaturalOrigin: new Degree(87.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998584),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

to WGS 84 / World Equidistant Cylindrical (Projected)

EPSG	PHPCoord

Name: World Equidistant Cylindrical
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equidistantCylindrical(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_WORLD_EQUIDISTANT_CYLINDRICAL),`
	`  latitudeOf1stStandardParallel: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to WGS 84 / World Mercator (Projected)

EPSG	PHPCoord

Name: World Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - between 80°S and 84°N
	`$point->mercatorVariantA(`
	`  to: Projected::fromSRID(Projected::EPSG_WGS_84_WORLD_MERCATOR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

to Wake Island 1952 (Geographic2D)

EPSG	PHPCoord

Name: Wake Island 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Wake - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WAKE_ISLAND_1952),`
	`  xAxisTranslation: new Metre(-276),`
	`  yAxisTranslation: new Metre(57),`
	`  zAxisTranslation: new Metre(-149)`
	`)`

to Yacare (Geographic2D)

EPSG	PHPCoord

Name: Yacare to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Uruguay - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YACARE),`
	`  xAxisTranslation: new Metre(124.45),`
	`  yAxisTranslation: new Metre(-183.74),`
	`  zAxisTranslation: new Metre(-44.64),`
	`  xAxisRotation: new ArcSecond(0.4384),`
	`  yAxisRotation: new ArcSecond(-0.5446),`
	`  zAxisRotation: new ArcSecond(0.9706),`
	`  scaleDifference: new PartsPerMillion(2.1365)`
	`)`

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: Yemen NGN96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Yemen
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪YEMEN_NGN96),`
	`  xAxisTranslation: new Metre(-0),`
	`  yAxisTranslation: new Metre(-0),`
	`  zAxisTranslation: new Metre(-0)`
	`)`

to Yoff (Geographic2D)

EPSG	PHPCoord

Name: Yoff to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Senegal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪YOFF),`
	`  xAxisTranslation: new Metre(30),`
	`  yAxisTranslation: new Metre(-190),`
	`  zAxisTranslation: new Metre(-89)`
	`)`

to Zanderij (Geographic2D)

EPSG	PHPCoord

Name: Zanderij to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ZANDERIJ),`
	`  xAxisTranslation: new Metre(265),`
	`  yAxisTranslation: new Metre(-120),`
	`  zAxisTranslation: new Metre(358)`
	`)`

WGS 84 (G1150)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1150)
```

to WGS 84 (G1150) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G1150)`
	`)`

WGS 84 (G1674)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1674)
```

to WGS 84 (G1674) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G1674)`
	`)`

WGS 84 (G1762)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1762)
```

to WGS 84 (G1762) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G1762)`
	`)`

WGS 84 (G2139)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G2139)
```

to WGS 84 (G2139) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G2139)`
	`)`

WGS 84 (G2296)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G2296)
```

to WGS 84 (G2296) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G2296)`
	`)`

WGS 84 (G730)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G730)
```

to WGS 84 (G730) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G730)`
	`)`

WGS 84 (G873)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G873)
```

to WGS 84 (G873) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_G873)`
	`)`

WGS 84 (Transit)

```
Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_TRANSIT)
```

to WGS 84 (Transit) (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84_TRANSIT)`
	`)`

Wake Island 1952

```
Geographic2D::fromSRID(Geographic2D::EPSG_WAKE_ISLAND_1952)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Wake Island 1952 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Wake - onshore
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(276),`
	`  yAxisTranslation: new Metre(-57),`
	`  zAxisTranslation: new Metre(149)`
	`)`

Xian 1980

`Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980)`

to Xian 1980 / 3-degree Gauss-Kruger CM 102E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_102E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 108E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_108E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 114E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_114E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 120E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_120E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 126E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_126E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 132E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_132E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 78E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_78E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 84E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_84E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 90E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_90E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 96E (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_96E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 25 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_25),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 26 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_26),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 27 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 28 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_28),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 29 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_29),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 30 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_30),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 31 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_31),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 32 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_32),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 33 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_33),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 34 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_34),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 35 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_35),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 36 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_36),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 37 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_37),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 38 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 39 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_39),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 40 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_40),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 41 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_41),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 42 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_42),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 43 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_43),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 44 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_44),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / 3-degree Gauss-Kruger zone 45 (Projected)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_3_DEGREE_GAUSS_KRUGER_ZONE_45),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 105E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_105E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 111E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_111E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 117E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_117E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 123E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_123E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 129E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_129E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 135E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_135E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 75E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_75E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 81E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_81E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 87E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_87E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 93E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_93E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger CM 99E (Projected)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_CM_99E),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 13 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 14 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 15 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 16 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_16),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 17 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 18 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_18),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 19 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_19),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 20 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_20),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 21 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_21),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 22 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_22),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Xian 1980 / Gauss-Kruger zone 23 (Projected)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_XIAN_`
	`↪1980_GAUSS_KRUGER_ZONE_23),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yacare

`Geographic2D::fromSRID(Geographic2D::EPSG_YACARE)`

to SIRGAS-ROU98 (Geographic2D)

EPSG	PHPCoord

Name: Yacare to SIRGAS-ROU98 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Uruguay - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_ROU98),`
	`  xAxisTranslation: new Metre(-124.45),`
	`  yAxisTranslation: new Metre(183.74),`
	`  zAxisTranslation: new Metre(44.64),`
	`  xAxisRotation: new ArcSecond(-0.4384),`
	`  yAxisRotation: new ArcSecond(0.5446),`
	`  zAxisRotation: new ArcSecond(-0.9706),`
	`  scaleDifference: new PartsPerMillion(-2.1365)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Yacare to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Uruguay - onshore
	`$point->positionVectorTransformation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(-124.45),`
	`  yAxisTranslation: new Metre(183.74),`
	`  zAxisTranslation: new Metre(44.64),`
	`  xAxisRotation: new ArcSecond(-0.4384),`
	`  yAxisRotation: new ArcSecond(0.5446),`
	`  zAxisRotation: new ArcSecond(-0.9706),`
	`  scaleDifference: new PartsPerMillion(-2.1365)`
	`)`

Yemen NGN96

`Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96)`

to South Yemen (Geographic2D)

EPSG	PHPCoord

Name: South Yemen to Yemen NGN96 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Yemen - South Yemen - mainland
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SOUTH_YEMEN),`
	`  xAxisTranslation: new Metre(76),`
	`  yAxisTranslation: new Metre(138),`
	`  zAxisTranslation: new Metre(-67)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Yemen NGN96 to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Yemen
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  xAxisTranslation: new Metre(0),`
	`  yAxisTranslation: new Metre(0),`
	`  zAxisTranslation: new Metre(0)`
	`)`

to Yemen NGN96 (Geographic3D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪YEMEN_NGN96)`
	`)`

to Yemen NGN96 / UTM zone 37N (Projected)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_37N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Yemen NGN96 / UTM zone 38N (Projected)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_38N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Yemen NGN96 / UTM zone 39N (Projected)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_39N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Yemen NGN96 / UTM zone 40N (Projected)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_40N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yoff

`Geographic2D::fromSRID(Geographic2D::EPSG_YOFF)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: Yoff to WGS 72 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Senegal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72),`
	`  xAxisTranslation: new Metre(-37),`
	`  yAxisTranslation: new Metre(157),`
	`  zAxisTranslation: new Metre(85)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Yoff to WGS 84 (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Senegal
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-30),`
	`  yAxisTranslation: new Metre(190),`
	`  zAxisTranslation: new Metre(89)`
	`)`

to Yoff / UTM zone 28N (Projected)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_YOFF_UTM_ZONE_28N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Zanderij

`Geographic2D::fromSRID(Geographic2D::EPSG_ZANDERIJ)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Zanderij to WGS 84 (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname
	`$point->geocentricTranslation(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  xAxisTranslation: new Metre(-265),`
	`  yAxisTranslation: new Metre(120),`
	`  zAxisTranslation: new Metre(-358)`
	`)`

to Zanderij / Suriname Old TM (Projected)

EPSG	PHPCoord

Name: Suriname Old TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_OLD_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-55.683333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Zanderij / Suriname TM (Projected)

EPSG	PHPCoord

Name: Suriname TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_TM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-55.683333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Zanderij / TM 54 NW (Projected)

EPSG	PHPCoord

Name: TM 54 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname - offshore
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_ZANDERIJ_TM_54_NW),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

to Zanderij / UTM zone 21N (Projected)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_`
	`↪ZANDERIJ_UTM_ZONE_21N),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

fk89

```
Geographic2D::fromSRID(Geographic2D::EPSG_FK89)
```

to fk89 / Faroe Lambert FK89 (Projected)

EPSG	PHPCoord

Name: Faroe Lambert fk89
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->lambertConicConformalWestOrientated(`
	`  to: Projected::fromSRID(Projected::EPSG_FK89_`
	`↪FAROE_LAMBERT_FK89),`
	`  latitudeOfNaturalOrigin: new Degree(62),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(700000)`
	`)`

1.12.3 Geographic 3D

ATRF2014

```
Geographic3D::fromSRID(Geographic3D::EPSG_ATRF2014)
```

to ATRF2014 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ATRF2014)`
	`)`

Australian Antarctic

`Geographic3D::fromSRID(Geographic3D::EPSG_AUSTRALIAN_ANTARCTIC)`

to Australian Antarctic (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AUSTRALIAN_ANTARCTIC)`
	`)`

BBT2000

`Geographic3D::fromSRID(Geographic3D::EPSG_BBT2000)`

to BBT2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BBT2000)`
	`)`

BDA2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_BDA2000)
```

to BDA2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BDA2000)`
	`)`

BGS2005

```
Geographic3D::fromSRID(Geographic3D::EPSG_BGS2005)
```

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BGS2005)`
	`)`

BH_ETRS89

```
Geographic3D::fromSRID(Geographic3D::EPSG_BH_ETRS89)
```

to BH_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BH_ETRS89)`
	`)`

CGRS93

`Geographic3D::fromSRID(Geographic3D::EPSG_CGRS93)`

to CGRS93 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CGRS93)`
	`)`

CHTRS95

`Geographic3D::fromSRID(Geographic3D::EPSG_CHTRS95)`

to CHTRS95 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHTRS95)`
	`)`

CIGD11

`Geographic3D::fromSRID(Geographic3D::EPSG_CIGD11)`

to CIGD11 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CIGD11)`
	`)`

CR-SIRGAS

`Geographic3D::fromSRID(Geographic3D::EPSG_CR_SIRGAS)`

to CR-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CR_SIRGAS)`
	`)`

CR05

`Geographic3D::fromSRID(Geographic3D::EPSG_CR05)`

to CR05 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CR05)`
	`)`

Cadastre 1997

`Geographic3D::fromSRID(Geographic3D::EPSG_CADASTRE_1997)`

to Cadastre 1997 (Geocentric)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪CADASTRE_1997)`
	`)`

China Geodetic Coordinate System 2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000)`
	`)`

DB_REF

```
Geographic3D::fromSRID(Geographic3D::EPSG_DB_REF)
```

to DB_REF (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DB_REF)`
	`)`

DGN95

```
Geographic3D::fromSRID(Geographic3D::EPSG_DGN95)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DGN95)`
	`)`

DRUKREF 03

```
Geographic3D::fromSRID(Geographic3D::EPSG_DRUKREF_03)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DRUKREF_03)`
	`)`

EST97

```
Geographic3D::fromSRID(Geographic3D::EPSG_EST97)
```

to EST97 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EST97)`
	`)`

ETRF2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000)
```

to ETRF2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF2000)`
	`)`

ETRF2000-PL

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000_PL)`

to Baltic 1986 height (Vertical)

EPSG	PHPCoord

Name: ETRF2000-PL to Baltic 1986 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1986_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GUGiKHeightETRF2000Baltic1986PolandProvider->provideGrid()`
	`)`

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL)`
	`)`

to ETRF2000-PL + Baltic 1986 height (Compound)

EPSG	PHPCoord

Name: ETRF2000-PL to ETRF2000-PL + Baltic 1986 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_BALTIC_1986_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GUGiKHeightETRF2000Baltic1986PolandProvider->provideGrid()`
	`)`

to ETRF2000-PL + EVRF2007-PL height (Compound)

EPSG	PHPCoord

Name: ETRF2000-PL to ETRF2000-PL + EVRF2007-PL height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_EVRF2007_PL_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GUGiKHeightETRF2000EVRF2007PolandProvider->provideGrid()`
	`)`

to EVRF2007-PL height (Vertical)

EPSG	PHPCoord

Name: ETRF2000-PL to EVRF2007-PL height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_PL_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GUGiKHeightETRF2000EVRF2007PolandProvider->provideGrid()`
	`)`

ETRF2005

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2005)`

to ETRF2005 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2005)`
	`)`

ETRF2014

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2014)`

to ETRF2014 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF2014)`
	`)`

ETRF2020

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2020)`

to ETRF2020 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF2020)`
	`)`

ETRF89

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF89)`

to ETRF89 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF89)`
	`)`

ETRF90

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF90)`

to ETRF90 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF90)`
	`)`

ETRF91

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF91)`

to ETRF91 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF91)`
	`)`

ETRF92

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF92)`

to ETRF92 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF92)`
	`)`

ETRF93

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF93)`

to ETRF93 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF93)`
	`)`

ETRF94

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF94)`

to ETRF94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF94)`
	`)`

ETRF96

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF96)`

to ETRF96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRF96)`
	`)`

ETRF97

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRF97)`

to ETRF97 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF97)`
	`)`

ETRS89

`Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89)`

to Alboran height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Alboran height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Alboran
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ALBORAN_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

to Alicante height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Alicante height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ALICANTE_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

to BI height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to BI height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BI_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

Name: ETRS89 to BI height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BI_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15BelfastProvider->provideGrid()`
	`)`

Name: ETRS89 to BI height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BI_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15MalinProvider->provideGrid()`
	`)`

to Baltic 1957 height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Baltic 1957 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1957_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXETRS89Baltic1957CzechiaProvider->provideGrid()`
	`)`

to Belfast height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Belfast height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BELFAST_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15BelfastProvider->provideGrid()`
	`)`

to Cascais height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Cascais height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASCAIS_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪DATETRS89CascaisPortugalProvider->provideGrid()`
	`)`

to Ceuta 2 height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Ceuta 2 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Ceuta
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CEUTA_2_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to Douglas height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Douglas height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Isle of Man - onshore
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DOUGLAS_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRF2000 (Geocentric)

EPSG	PHPCoord

Name: ETRS89 to ETRF2000 (geog3D to geocen)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - ETRF
	`$point->geographicGeocentric(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪ETRF2000)`
	`)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89)`
	`)`

to ETRS89 + Alboran height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Alboran height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Alboran
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_ALBORAN_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Alicante height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Alicante height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_ALICANTE_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + BI height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + BI height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_BI_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

Name: ETRS89 to ETRS89 + BI height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_BI_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15BelfastProvider->provideGrid()`
	`)`

Name: ETRS89 to ETRS89 + BI height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_BI_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15MalinProvider->provideGrid()`
	`)`

to ETRS89 + Baltic 1957 height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Baltic 1957 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_BALTIC_1957_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXETRS89Baltic1957CzechiaProvider->provideGrid()`
	`)`

Name: ETRS89 to ETRS89 + Baltic 1957 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_BALTIC_1957_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXETRS89Baltic1957SlovakiaProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Belfast height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Belfast height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_BELFAST_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15BelfastProvider->provideGrid()`
	`)`

to ETRS89 + Cascais height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Cascais height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_CASCAIS_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪DATETRS89CascaisPortugalProvider->provideGrid()`
	`)`

to ETRS89 + Ceuta 2 height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Ceuta 2 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Ceuta
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_CEUTA_2_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Douglas height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Douglas height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Isle of Man - onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DOUGLAS_HEIGHT),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRS89 + EVRF2000 Austria height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2000_AUSTRIA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BEVHeightETRS89EVRF2000AustriaProvider->provideGrid()`
	`)`

to ETRS89 + EVRF2007 height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2007_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXETRS89EVRF2007SlovakiaProvider->provideGrid()`
	`)`

to ETRS89 + Formentera height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Formentera height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Formentera
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_FORMENTERA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Ibiza height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Ibiza height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Ibiza
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_IBIZA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Lerwick height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Lerwick height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shetland Islands onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_LERWICK_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRS89 + Malin Head height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Malin Head height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_MALIN_HEAD_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSGM15MalinProvider->provideGrid()`
	`)`

to ETRS89 + Mallorca height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Mallorca height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Mallorca
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_MALLORCA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Melilla height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Melilla height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Melilla
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_MELILLA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to ETRS89 + Menorca height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Menorca height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Menorca
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MENORCA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

to ETRS89 + NAP height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + NAP height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NAP_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXETRS89NAPProvider->provideGrid()`
	`)`

to ETRS89 + NN2000 height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + NN2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NN2000_HEIGHT),`
	`  geoidHeightCorrectionModelFile: KMSETRS89NN2000Provider->provideGrid()`
	`)`

to ETRS89 + NN54 height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + NN54 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_NN54_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪KMSETRS89NN1954Provider->provideGrid()`
	`)`

to ETRS89 + ODN (Offshore) height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + ODN (Offshore) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - offshore 49°45'N to 61°N, 9°W to 2°E
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_ODN_OFFSHORE_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRS89 + ODN Orkney height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + ODN Orkney height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Orkney Islands onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_ODN_ORKNEY_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRS89 + ODN height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + ODN height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_HEIGHT),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRS89 + Ostend height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Ostend height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_OSTEND_HEIGHT),`
	`  geoidHeightCorrectionModelFile: DATETRS89OstendBelgiumProvider->provideGrid()`
	`)`

to ETRS89 + St. Marys height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + St. Marys height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Scilly Isles onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ST_MARYS_HEIGHT),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

to ETRS89 + Stornoway height (Compound)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Stornoway height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Outer Hebrides onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_`
	`↪PLUS_STORNOWAY_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to EVRF2000 Austria height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪AUSTRIA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BEVHeightETRS89EVRF2000AustriaProvider->`
	`↪provideGrid()`
	`)`

to Formentera height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Formentera height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Formentera
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪FORMENTERA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to Ibiza height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Ibiza height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Ibiza
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IBIZA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

to Lerwick height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Lerwick height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shetland Islands onshore
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LERWICK_HEIGHT),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

to Malin Head height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Malin Head height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MALIN_HEAD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: OSGM15MalinProvider->provideGrid()`
	`)`

to Mallorca height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Mallorca height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Mallorca
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MALLORCA_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to Melilla height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Melilla height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Melilla
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MELILLA_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to Menorca height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Menorca height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Menorca
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MENORCA_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPSpainProvider->`
	`↪provideGrid()`
	`)`

to NAP height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to NAP height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAP_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXETRS89NAPProvider->provideGrid()`
	`)`

to NN2000 height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to NN2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NN2000_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪KMSETRS89NN2000Provider->provideGrid()`
	`)`

to NN54 height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to NN54 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NN54_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪KMSETRS89NN1954Provider->provideGrid()`
	`)`

to ODN (Offshore) height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to ODN (Offshore) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - offshore 49°45'N to 61°N, 9°W to 2°E
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ODN_`
	`↪OFFSHORE_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to ODN Orkney height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to ODN Orkney height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Orkney Islands onshore
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ODN_`
	`↪ORKNEY_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to ODN height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to ODN height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ODN_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to Ostend height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Ostend height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_OSTEND_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪DATETRS89OstendBelgiumProvider->provideGrid()`
	`)`

to St. Marys height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to St. Marys height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Scilly Isles onshore
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ST_MARYS_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

to Stornoway height (Vertical)

EPSG	PHPCoord

Name: ETRS89 to Stornoway height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Outer Hebrides onshore
	`$point->geographic3DToGravityHeightOSGM15(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪STORNOWAY_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89/DREF91/2016

```
Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89_DREF91_2016)
```

to DHHN2016 height (Vertical)

EPSG	PHPCoord

Name: ETRS89/DREF91/2016 to DHHN2016 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DHHN2016_HEIGHT),`
	`  geoidHeightCorrectionModelFile: DATETRS89DHHN2016Provider->provideGrid()`
	`)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016)`
	`)`

to ETRS89/DREF91/2016 + DHHN2016 height (Compound)

EPSG	PHPCoord

Name: ETRS89/DREF91/2016 to ETRS89/DREF91/2016 + DHHN2016 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ETRS89_DREF91_2016_PLUS_DHHN2016_HEIGHT),`
	`  geoidHeightCorrectionModelFile: DATETRS89DHHN2016Provider->provideGrid()`
	`)`

FEH2010

`Geographic3D::fromSRID(Geographic3D::EPSG_FEH2010)`

to FEH2010 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FEH2010)`
	`)`

GDA2020

`Geographic3D::fromSRID(Geographic3D::EPSG_GDA2020)`

to AHD height (Vertical)

EPSG	PHPCoord

Name: GDA2020 to AHD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia Christmas and Cocos - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AHD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGDA2020AHDProvider->provideGrid()`
	`)`

to AVWS height (Vertical)

EPSG	PHPCoord

Name: GDA2020 to AVWS height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AVWS_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGDA2020AVWSProvider->provideGrid()`
	`)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020)`
	`)`

to GDA2020 + AHD height (Compound)

EPSG	PHPCoord

Name: GDA2020 to GDA2020 + AHD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia Christmas and Cocos - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_GDA2020_`
	`↪PLUS_AHD_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGDA2020AHDProvider->provideGrid()`
	`)`

to GDA2020 + AVWS height (Compound)

EPSG	PHPCoord

Name: GDA2020 to GDA2020 + AVWS height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_GDA2020_`
	`↪PLUS_AVWS_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGDA2020AVWSProvider->provideGrid()`
	`)`

GDA94

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDA94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94)`
	`)`

to GDA94 + AHD height (Compound)

EPSG	PHPCoord

Name: GDA94 to GDA94 + AHD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_GDA94_PLUS_AHD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGDA94AHDProvider->provideGrid()`
	`)`

GDBD2009

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDBD2009)
```

to GDBD2009 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDBD2009)`
	`)`

GDM2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_GDM2000)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000)`
	`)`

GR96

```
Geographic3D::fromSRID(Geographic3D::EPSG_GR96)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96)`
	`)`

GSK-2011

```
Geographic3D::fromSRID(Geographic3D::EPSG_GSK_2011)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011)`
	`)`

HTRS96

```
Geographic3D::fromSRID(Geographic3D::EPSG_HTRS96)
```

to HTRS96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HTRS96)`
	`)`

Hartebeesthoek94

```
Geographic3D::fromSRID(Geographic3D::EPSG_HARTEBEESTHOEK94)
```

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94)`
	`)`

Hong Kong Geodetic CS

```
Geographic3D::fromSRID(Geographic3D::EPSG_HONG_KONG_GEODETIC_CS)
```

to Hong Kong Geodetic CS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HONG_KONG_GEODETIC_CS)`
	`)`

IG05 Intermediate CRS

```
Geographic3D::fromSRID(Geographic3D::EPSG_IG05_INTERMEDIATE_CRS)
```

to IG05 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS)`
	`)`

IG05/12 Intermediate CRS

```
Geographic3D::fromSRID(Geographic3D::EPSG_IG05_12_INTERMEDIATE_CRS)
```

to IG05/12 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS)`
	`)`

IGD05

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGD05)
```

to IGD05 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGD05)`
	`)`

IGD05/12

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGD05_12)
```

to IGD05/12 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGD05_12)`
	`)`

IGM95

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGM95)
```

to IGM95 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGM95)`
	`)`

IGRS

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGRS)
```

to IGRS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGRS)`
	`)`

IGS00

`Geographic3D::fromSRID(Geographic3D::EPSG_IGS00)`

to IGS00 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGS00)`
	`)`

IGS05

`Geographic3D::fromSRID(Geographic3D::EPSG_IGS05)`

to IGS05 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGS05)`
	`)`

IGS08

`Geographic3D::fromSRID(Geographic3D::EPSG_IGS08)`

to IGS08 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGS08)`
	`)`

IGS14

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS14)
```

to IGS14 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGS14)`
	`)`

IGS20

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS20)
```

to IGS20 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGS20)`
	`)`

IGS97

```
Geographic3D::fromSRID(Geographic3D::EPSG_IGS97)
```

to IGS97 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪IGS97)`
	`)`

IGb00

`Geographic3D::fromSRID(Geographic3D::EPSG_IGB00)`

to IGb00 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGB00)`
	`)`

IGb08

`Geographic3D::fromSRID(Geographic3D::EPSG_IGB08)`

to IGb08 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGB08)`
	`)`

IGb14

`Geographic3D::fromSRID(Geographic3D::EPSG_IGB14)`

to IGb14 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGB14)`
	`)`

IRENET95

`Geographic3D::fromSRID(Geographic3D::EPSG_IRENET95)`

to IRENET95 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IRENET95)`
	`)`

ISN2004

`Geographic3D::fromSRID(Geographic3D::EPSG_ISN2004)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004)`
	`)`

ISN2016

`Geographic3D::fromSRID(Geographic3D::EPSG_ISN2016)`

to ISH2004 height (Vertical)

EPSG	PHPCoord

Name: ISN2016 to ISH2004 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ISH2004_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXISN2016ISH2004IcelandProvider->provideGrid()`
	`)`

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016)`
	`)`

to ISN2016 + ISH2004 height (Compound)

EPSG	PHPCoord

Name: ISN2016 to ISN2016 + ISH2004 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ISN2016_PLUS_ISH2004_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXISN2016ISH2004IcelandProvider->provideGrid()`
	`)`

ISN93

`Geographic3D::fromSRID(Geographic3D::EPSG_ISN93)`

to ISN93 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN93)`
	`)`

ITRF2000

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2000)`

to ITRF2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2000)`
	`)`

ITRF2005

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2005)`

to ITRF2005 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2005)`
	`)`

to ITRF2005 + SA LLD height (Compound)

EPSG	PHPCoord

Name: ITRF2005 to ITRF2005 + SA LLD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_ITRF2005_PLUS_SA_LLD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: DATITRF2005SALLDProvider->provideGrid()`
	`)`

to SA LLD height (Vertical)

EPSG	PHPCoord

Name: ITRF2005 to SA LLD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SA_LLD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: DATITRF2005SALLDProvider->provideGrid()`
	`)`

ITRF2008

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2008)`

to CGVD2013a(2010) height (Vertical)

EPSG	PHPCoord

Name: ITRF2008 to CGVD2013a(2010) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2010_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNITRF2008CGG2013aProvider->provideGrid()`
	`)`

to ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ITRF2008)`
	`)`

ITRF2014

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2014)`

to ITRF2014 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF2014)`
	`)`

ITRF2020

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF2020)`

to ITRF2020 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF2020)`
	`)`

ITRF88

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF88)`

to ITRF88 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF88)`
	`)`

ITRF89

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF89)`

to ITRF89 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF89)`
	`)`

ITRF90

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF90)`

to ITRF90 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF90)`
	`)`

ITRF91

`Geographic3D::fromSRID(Geographic3D::EPSG_ITRF91)`

to ITRF91 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF91)`
	`)`

ITRF92

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF92)
```

to ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF92)`
	`)`

ITRF93

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF93)
```

to ITRF93 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF93)`
	`)`

ITRF94

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF94)
```

to ITRF94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF94)`
	`)`

ITRF96

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF96)
```

to ITRF96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF96)`
	`)`

ITRF97

```
Geographic3D::fromSRID(Geographic3D::EPSG_ITRF97)
```

to ITRF97 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ITRF97)`
	`)`

JAD2001

```
Geographic3D::fromSRID(Geographic3D::EPSG_JAD2001)
```

to JAD2001 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JAD2001)`
	`)`

JGD2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_JGD2000)
```

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2000)`
	`)`

JGD2011

```
Geographic3D::fromSRID(Geographic3D::EPSG_JGD2011)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JGD2011)`
	`)`

KGD2002

```
Geographic3D::fromSRID(Geographic3D::EPSG_KGD2002)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KGD2002)`
	`)`

KOSOVAREF01

`Geographic3D::fromSRID(Geographic3D::EPSG_KOSOVAREF01)`

to KOSOVAREF01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOSOVAREF01)`
	`)`

KSA-GRF17

`Geographic3D::fromSRID(Geographic3D::EPSG_KSA_GRF17)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17)`
	`)`

Kyrg-06

`Geographic3D::fromSRID(Geographic3D::EPSG_KYRG_06)`

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06)`
	`)`

LGD2006

```
Geographic3D::fromSRID(Geographic3D::EPSG_LGD2006)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006)`
	`)`

LKS-2020

```
Geographic3D::fromSRID(Geographic3D::EPSG_LKS_2020)
```

to LKS-2020 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS_2020)`
	`)`

LKS-92

```
Geographic3D::fromSRID(Geographic3D::EPSG_LKS_92)
```

to LKS-92 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS_92)`
	`)`

LKS94

```
Geographic3D::fromSRID(Geographic3D::EPSG_LKS94)
```

to LKS94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS94)`
	`)`

LTF2004(G)

```
Geographic3D::fromSRID(Geographic3D::EPSG_LTF2004_G)
```

to LTF2004(G) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LTF2004_G)`
	`)`

LUREF

```
Geographic3D::fromSRID(Geographic3D::EPSG_LUREF)
```

to LUREF (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LUREF)`
	`)`

to LUREF / Luxembourg TM (3D) (Projected)

EPSG	PHPCoord

Name: Luxembourg TM (3D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->transverseMercator(`
	`  to: Projected::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM_3D),`
	`  latitudeOfNaturalOrigin: new Degree(49.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(6.1666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(100000)`
	`)`

Lao 1993

`Geographic3D::fromSRID(Geographic3D::EPSG_LAO_1993)`

to Lao 1993 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1993)`
	`)`

Lao 1997

`Geographic3D::fromSRID(Geographic3D::EPSG_LAO_1997)`

to Lao 1997 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAO_1997)`
	`)`

MACARIO SOLIS

`Geographic3D::fromSRID(Geographic3D::EPSG_MACARIO_SOLIS)`

to MACARIO SOLIS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MACARIO_SOLIS)`
	`)`

MAGNA-SIRGAS

`Geographic3D::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS)`
	`)`

MAGNA-SIRGAS 2018

```
Geographic3D::fromSRID(Geographic3D::EPSG_MAGNA_SIRGAS_2018)
```

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAGNA_SIRGAS_2018)`
	`)`

MARGEN

```
Geographic3D::fromSRID(Geographic3D::EPSG_MARGEN)
```

to MARGEN (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARGEN)`
	`)`

MGI

```
Geographic3D::fromSRID(Geographic3D::EPSG_MGI)
```

to EVRF2000 Austria height (Vertical)

EPSG	PHPCoord

Name: MGI to EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_AUSTRIA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BEVHeightMGIEVRF2000AustriaProvider->provideGrid()`
	`)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI)`
	`)`

to MGI + EVRF2000 Austria height (Compound)

EPSG	PHPCoord

Name: MGI to MGI + EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_MGI_PLUS_EVRF2000_AUSTRIA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BEVHeightMGIEVRF2000AustriaProvider->provideGrid()`
	`)`

MOLDREF99

`Geographic3D::fromSRID(Geographic3D::EPSG_MOLDREF99)`

to MOLDREF99 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOLDREF99)`
	`)`

MTRF-2000

`Geographic3D::fromSRID(Geographic3D::EPSG_MTRF_2000)`

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MTRF_2000)`
	`)`

Macao 2008

`Geographic3D::fromSRID(Geographic3D::EPSG_MACAO_2008)`

to Macao 2008 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MACAO_2008)`
	`)`

Mauritania 1999

`Geographic3D::fromSRID(Geographic3D::EPSG_MAURITANIA_1999)`

to Mauritania 1999 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAURITANIA_1999)`
	`)`

Mexico ITRF2008

`Geographic3D::fromSRID(Geographic3D::EPSG_MEXICO_ITRF2008)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MEXICO_ITRF2008)`
	`)`

Mexico ITRF92

`Geographic3D::fromSRID(Geographic3D::EPSG_MEXICO_ITRF92)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MEXICO_ITRF92)`
	`)`

Moznet

```
Geographic3D::fromSRID(Geographic3D::EPSG_MOZNET)
```

to Moznet (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MOZNET)`
	`)`

NAD83(2011)

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_2011)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011)`
	`)`

to NAD83(2011) + NAVD88 height (Compound)

EPSG	PHPCoord

Name: NAD83(2011) to NAD83(2011) + NAVD88 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_`
	`↪2011_PLUS_NAVD88_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18CONUSProvider->provideGrid()`
	`)`

Name: NAD83(2011) to NAD83(2011) + NAVD88 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_`
	`↪2011_PLUS_NAVD88_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID12BAlaskaProvider->provideGrid()`
	`)`

to NAD83(2011) + PRVD02 height (Compound)

EPSG	PHPCoord

Name: NAD83(2011) to NAD83(2011) + PRVD02 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Puerto Rico - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_`
	`↪2011_PLUS_PRVD02_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18PRVIProvider->provideGrid()`
	`)`

to NAD83(2011) + VIVD09 height (Compound)

EPSG	PHPCoord

Name: NAD83(2011) to NAD83(2011) + VIVD09 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Virgin Islands, US - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_`
	`↪2011_PLUS_VIVD09_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18PRVIProvider->provideGrid()`
	`)`

to NAVD88 height (Vertical)

EPSG	PHPCoord

Name: NAD83(2011) to NAVD88 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID12BAlaskaProvider->provideGrid()`
	`)`

Name: NAD83(2011) to NAVD88 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18CONUSProvider->provideGrid()`
	`)`

to PRVD02 height (Vertical)

EPSG	PHPCoord

Name: NAD83(2011) to PRVD02 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Puerto Rico - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_PRVD02_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18PRVIProvider->provideGrid()`
	`)`

to VIVD09 height (Vertical)

EPSG	PHPCoord

Name: NAD83(2011) to VIVD09 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Virgin Islands, US - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_VIVD09_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18PRVIProvider->provideGrid()`
	`)`

NAD83(CORS96)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CORS96)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96)`
	`)`

NAD83(CSRS)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS)`
	`)`

NAD83(CSRS)v2

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V2)`

to CGVD2013a(1997) height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v2 to CGVD2013a(1997) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD2013A_1997_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v2 to CGVD28 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRS1997CGVD28Provider->provideGrid()`
	`)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2)`
	`)`

NAD83(CSRS)v3

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V3)`

to CGVD2013a(1997) height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v3 to CGVD2013a(1997) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD2013A_1997_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v3 to CGVD28 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRS1997CGVD28Provider->provideGrid()`
	`)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3)`
	`)`

to NAD83(CSRS)v3 + CGVD2013a(1997) height (Compound)

EPSG	PHPCoord

Name: NAD83(CSRS)v3 to NAD83(CSRS)v3 + CGVD2013a(1997) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V3_PLUS_CGVD2013A_1997_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

NAD83(CSRS)v4

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V4)`

to CGVD2013a(2002) height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v4 to CGVD2013a(2002) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪CGVD2013A_2002_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v4 to CGVD28 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BYNNAD83CSRS2002CGVD28Provider->provideGrid()`
	`)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4)`
	`)`

to NAD83(CSRS)v4 + CGVD2013a(2002) height (Compound)

EPSG	PHPCoord

Name: NAD83(CSRS)v4 to NAD83(CSRS)v4 + CGVD2013a(2002) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V4_PLUS_CGVD2013A_2002_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

NAD83(CSRS)v5

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V5)`

to NAD83(CSRS)v5 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V5)`
	`)`

NAD83(CSRS)v6

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V6)`

to CGVD2013a(2010) height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to CGVD2013a(2010) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2010_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to CGVD28 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRS2010CGVD28Provider->provideGrid()`
	`)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6)`
	`)`

to NAD83(CSRS)v6 + CGVD2013a(2010) height (Compound)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(CSRS)v6 + CGVD2013a(2010) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V6_PLUS_CGVD2013A_2010_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

NAD83(CSRS)v7

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V7)`

to CGVD2013a(2010) height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v7 to CGVD2013a(2010) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2010_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v7 to CGVD28 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_HEIGHT),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRS2010CGVD28Provider->provideGrid()`
	`)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7)`
	`)`

NAD83(CSRS)v8

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V8)`

to CGVD2013a(2010) height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v8 to CGVD2013a(2010) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪CGVD2013A_2010_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: NAD83(CSRS)v8 to CGVD28 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BYNNAD83CSRS2010CGVD28Provider->provideGrid()`
	`)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V8)`
	`)`

NAD83(CSRS96)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS96)`

to NAD83(CSRS96) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS96)`
	`)`

NAD83(FBN)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_FBN)`

to NAD83(FBN) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_FBN)`
	`)`

NAD83(HARN Corrected)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_HARN_CORRECTED)`

to NAD83(HARN Corrected) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN_CORRECTED)`
	`)`

NAD83(HARN)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_HARN)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN)`
	`)`

NAD83(MA11)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MA11)`

to GUVD04 height (Vertical)

EPSG	PHPCoord

Name: NAD83(MA11) to GUVD04 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GUVD04_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGEOID12BGuamMIProvider->provideGrid()`
	`)`

to NAD83(MA11) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11)`
	`)`

to NAD83(MA11) + GUVD04 height (Compound)

EPSG	PHPCoord

Name: NAD83(MA11) to NAD83(MA11) + GUVD04 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_GUVD04_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGEOID12BGuamMIProvider->provideGrid()`
	`)`

to NAD83(MA11) + NMVD03 height (Compound)

EPSG	PHPCoord

Name: NAD83(MA11) to NAD83(MA11) + NMVD03 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Northern Mariana Islands - Rota, Saipan and Tinian
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_NMVD03_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGEOID12BGuamMIProvider->provideGrid()`
	`)`

to NMVD03 height (Vertical)

EPSG	PHPCoord

Name: NAD83(MA11) to NMVD03 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Northern Mariana Islands - Rota, Saipan and Tinian
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NMVD03_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGEOID12BGuamMIProvider->provideGrid()`
	`)`

NAD83(MARP00)

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_MARP00)
```

to NAD83(MARP00) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MARP00)`
	`)`

NAD83(NSRS2007)

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_NSRS2007)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007)`
	`)`

NAD83(PA11)

```
Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PA11)
```

to ASVD02 height (Vertical)

EPSG	PHPCoord

Name: NAD83(PA11) to ASVD02 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - Tutuila island
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ASVD02_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGEOID12BAmericaSamoaProvider->provideGrid()`
	`)`

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11)`
	`)`

to NAD83(PA11) + ASVD02 height (Compound)

EPSG	PHPCoord

Name: NAD83(PA11) to NAD83(PA11) + ASVD02 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - Tutuila island
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NAD83_PA11_PLUS_ASVD02_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXGEOID12BAmericaSamoaProvider->provideGrid()`
	`)`

NAD83(PACP00)

`Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_PACP00)`

to NAD83(PACP00) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PACP00)`
	`)`

NZGD2000

`Geographic3D::fromSRID(Geographic3D::EPSG_NZGD2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000)`
	`)`

to NZGD2000 + NZVD2009 height (Compound)

EPSG	PHPCoord

Name: NZGD2000 to NZGD2000 + NZVD2009 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2009_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXNZGeoid2009Provider->provideGrid()`
	`)`

to NZGD2000 + NZVD2016 height (Compound)

EPSG	PHPCoord

Name: NZGD2000 to NZGD2000 + NZVD2016 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2016_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXNZGeoid2016Provider->provideGrid()`
	`)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZGD2000 to NZVD2009 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXNZGeoid2009Provider->provideGrid()`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZGD2000 to NZVD2016 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT),`
	`  geoidHeightCorrectionModelFile: GTXNZGeoid2016Provider->provideGrid()`
	`)`

ONGD14

`Geographic3D::fromSRID(Geographic3D::EPSG_ONGD14)`

to ONGD14 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ONGD14)`
	`)`

ONGD17

```
Geographic3D::fromSRID(Geographic3D::EPSG_ONGD17)
```

to ONGD17 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ONGD17)`
	`)`

PNG94

```
Geographic3D::fromSRID(Geographic3D::EPSG_PNG94)
```

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94)`
	`)`

POSGAR 2007

```
Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_2007)
```

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_2007)`
	`)`

to POSGAR 2007 + SRVN16 height (Compound)

EPSG	PHPCoord

Name: POSGAR 2007 to POSGAR 2007 + SRVN16 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_POSGAR_2007_PLUS_SRVN16_HEIGHT),`
	`  geoidHeightCorrectionModelFile: KMSPOSGAR2007SRVN16Provider->provideGrid()`
	`)`

to SRVN16 height (Vertical)

EPSG	PHPCoord

Name: POSGAR 2007 to SRVN16 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SRVN16_HEIGHT),`
	`  geoidHeightCorrectionModelFile: KMSPOSGAR2007SRVN16Provider->provideGrid()`
	`)`

POSGAR 94

`Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_94)`

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_94)`
	`)`

POSGAR 98

```
Geographic3D::fromSRID(Geographic3D::EPSG_POSGAR_98)
```

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_98)`
	`)`

PRS92

```
Geographic3D::fromSRID(Geographic3D::EPSG_PRS92)
```

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PRS92)`
	`)`

PTRA08

```
Geographic3D::fromSRID(Geographic3D::EPSG_PTRA08)
```

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08)`
	`)`

PZ-90

```
Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90)
```

to PZ-90 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90)`
	`)`

PZ-90.02

```
Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90_02)
```

to PZ-90.02 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90_02)`
	`)`

PZ-90.11

```
Geographic3D::fromSRID(Geographic3D::EPSG_PZ_90_11)
```

to PZ-90.11 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PZ_90_11)`
	`)`

Peru96

`Geographic3D::fromSRID(Geographic3D::EPSG_PERU96)`

to Peru96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PERU96)`
	`)`

RDN2008

`Geographic3D::fromSRID(Geographic3D::EPSG_RDN2008)`

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RDN2008)`
	`)`

REDGEOMIN

`Geographic3D::fromSRID(Geographic3D::EPSG_REDGEOMIN)`

to REDGEOMIN (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REDGEOMIN)`
	`)`

REGCAN95

`Geographic3D::fromSRID(Geographic3D::EPSG_REGCAN95)`

to El Hierro height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to El Hierro height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - El Hierro
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EL_`
	`↪HIERRO_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to Fuerteventura height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to Fuerteventura height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Fuerteventura
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪FUERTEVENTURA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to Gran Canaria height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to Gran Canaria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Gran Canaria
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GRAN_`
	`↪CANARIA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to La Gomera height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to La Gomera height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - La Gomera
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LA_GOMERA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPCanaryIslandsProvider->provideGrid()`
	`)`

to La Palma height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to La Palma height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - La Palma
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LA_PALMA_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPCanaryIslandsProvider->provideGrid()`
	`)`

to Lanzarote height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to Lanzarote height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Lanzarote
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LANZAROTE_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPCanaryIslandsProvider->provideGrid()`
	`)`

to REGCAN95 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REGCAN95)`
	`)`

to REGCAN95 + El Hierro height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + El Hierro height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - El Hierro
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_EL_HIERRO_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to REGCAN95 + Fuerteventura height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Fuerteventura height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Fuerteventura
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_FUERTEVENTURA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to REGCAN95 + Gran Canaria height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Gran Canaria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Gran Canaria
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_GRAN_CANARIA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to REGCAN95 + La Gomera height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + La Gomera height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - La Gomera
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_LA_GOMERA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to REGCAN95 + La Palma height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + La Palma height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - La Palma
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_LA_PALMA_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to REGCAN95 + Lanzarote height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Lanzarote height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Lanzarote
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_LANZAROTE_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to REGCAN95 + Tenerife height (Compound)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Tenerife height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Tenerife
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_REGCAN95_`
	`↪PLUS_TENERIFE_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

to Tenerife height (Vertical)

EPSG	PHPCoord

Name: REGCAN95 to Tenerife height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Tenerife
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_TENERIFE_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGVEN

`Geographic3D::fromSRID(Geographic3D::EPSG_REGVEN)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN)`
	`)`

RGAF09

`Geographic3D::fromSRID(Geographic3D::EPSG_RGAF09)`

to Guadeloupe 1988 height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to Guadeloupe 1988 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and Basse-Terre - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GUADELOUPE_1988_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09Guadeloupe1988Provider->provideGrid()`
	`)`

to IGN 1988 LS height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to IGN 1988 LS height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Les Saintes - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IGN_1988_LS_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988LesSaintesProvider->provideGrid()`
	`)`

to IGN 1988 MG height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to IGN 1988 MG height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Marie-Galante - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IGN_1988_MG_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988MarieGalanteProvider->provideGrid()`
	`)`

to IGN 1988 SB height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to IGN 1988 SB height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Barthelemy - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IGN_1988_SB_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988SaintBarthelemyProvider->provideGrid()`
	`)`

to IGN 1988 SM height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to IGN 1988 SM height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IGN_1988_SM_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988SaintMartinProvider->provideGrid()`
	`)`

to IGN 2008 LD height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to IGN 2008 LD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - La Desirade - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IGN_2008_LD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN2008LaDesiradeProvider->provideGrid()`
	`)`

to Martinique 1987 height (Vertical)

EPSG	PHPCoord

Name: RGAF09 to Martinique 1987 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MARTINIQUE_1987_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09Martinique1987Provider->provideGrid()`
	`)`

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09)`
	`)`

to RGAF09 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGAF09_LON_LAT)`
	`)`

to RGAF09 + Guadeloupe 1988 height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + Guadeloupe 1988 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and Basse-Terre - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_GUADELOUPE_1988_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09Guadeloupe1988Provider->provideGrid()`
	`)`

to RGAF09 + IGN 1988 LS height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 LS height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Les Saintes - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_LS_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988LesSaintesProvider->provideGrid()`
	`)`

to RGAF09 + IGN 1988 MG height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 MG height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Marie-Galante - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_MG_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988MarieGalanteProvider->provideGrid()`
	`)`

to RGAF09 + IGN 1988 SB height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 SB height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Barthelemy - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SB_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988SaintBarthelemyProvider->provideGrid()`
	`)`

to RGAF09 + IGN 1988 SM height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 SM height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SM_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGAF09IGN1988SaintMartinProvider->provideGrid()`
	`)`

to RGAF09 + IGN 2008 LD height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 2008 LD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - La Desirade - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_`
	`↪PLUS_IGN_2008_LD_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09IGN2008LaDesiradeProvider->`
	`↪provideGrid()`
	`)`

to RGAF09 + Martinique 1987 height (Compound)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + Martinique 1987 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGAF09_`
	`↪PLUS_MARTINIQUE_1987_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09Martinique1987Provider->`
	`↪provideGrid()`
	`)`

RGAF09 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGAF09_LON_LAT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09)`
	`)`

RGF93 v1

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V1)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V1)`
	`)`

to RGF93 v1 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V1_LON_LAT)`
	`)`

RGF93 v1 (lon-lat)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V1_LON_LAT)
```

to RGF93 v1 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V1)`
	`)`

RGF93 v2

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGF93_V2)`
	`)`

to RGF93 v2 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V2_LON_LAT)`
	`)`

RGF93 v2 (lon-lat)

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2_LON_LAT)
```

to RGF93 v2 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGF93_V2)`
	`)`

RGF93 v2b

`Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B)`

to NGF-IGN69 height (Vertical)

EPSG	PHPCoord

Name: RGF93 v2b to NGF-IGN69 height (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGF_IGN69_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGF93v2bNGFIGN69FranceProvider->provideGrid()`
	`)`

to NGF-IGN78 height (Vertical)

EPSG	PHPCoord

Name: RGF93 v2b to NGF-IGN78 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGF_IGN78_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGF93v2NGFIGN78CorsicaProvider->provideGrid()`
	`)`

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B)`
	`)`

to RGF93 v2b (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B_LON_LAT)`
	`)`

to RGF93 v2b + NGF-IGN69 height (Compound)

EPSG	PHPCoord

Name: RGF93 v2b to RGF93 v2b + NGF-IGN69 height (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN69_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGF93v2bNGFIGN69FranceProvider->provideGrid()`
	`)`

to RGF93 v2b + NGF-IGN78 height (Compound)

EPSG	PHPCoord

Name: RGF93 v2b to RGF93 v2b + NGF-IGN78 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN78_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGF93v2NGFIGN78CorsicaProvider->provideGrid()`
	`)`

RGF93 v2b (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B_LON_LAT)`

to RGF93 v2b (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B)`
	`)`

RGFG95

`Geographic3D::fromSRID(Geographic3D::EPSG_RGFG95)`

to RGFG95 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95)`
	`)`

to RGFG95 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGFG95_LON_LAT)`
	`)`

RGFG95 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGFG95_LON_LAT)`

to RGFG95 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGFG95)`
	`)`

RGM04

`Geographic3D::fromSRID(Geographic3D::EPSG_RGM04)`

to RGM04 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGM04)`
	`)`

to RGM04 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGM04_LON_LAT)`
	`)`

RGM04 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGM04_LON_LAT)`

to RGM04 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGM04)`
	`)`

RGNC15

`Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15)`

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15)`
	`)`

to RGNC15 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15_LON_LAT)`
	`)`

RGNC15 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15_LON_LAT)`

to RGNC15 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGNC15)`
	`)`

RGNC91-93

`Geographic3D::fromSRID(Geographic3D::EPSG_RGNC91_93)`

to NGNC08 height (Vertical)

EPSG	PHPCoord

Name: RGNC91-93 to NGNC08 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGNC08_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGNC9193NGNC08NewCaledoniaProvider->provideGrid()`
	`)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93)`
	`)`

to RGNC91-93 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGNC91_93_LON_LAT)`
	`)`

to RGNC91-93 + NGNC08 height (Compound)

EPSG	PHPCoord

Name: RGNC91-93 to RGNC91-93 + NGNC08 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGNC91_`
	`↪93_PLUS_NGNC08_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGNC9193NGNC08NewCaledoniaProvider->`
	`↪provideGrid()`
	`)`

RGNC91-93 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGNC91_93_LON_LAT)`

to RGNC91-93 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGNC91_93)`
	`)`

RGPF

`Geographic3D::fromSRID(Geographic3D::EPSG_RGPF)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF)`
	`)`

RGR92

`Geographic3D::fromSRID(Geographic3D::EPSG_RGR92)`

to RGR92 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGR92)`
	`)`

to RGR92 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGR92_LON_LAT)`
	`)`

RGR92 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGR92_LON_LAT)`

to RGR92 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGR92)`
	`)`

RGRDC 2005

`Geographic3D::fromSRID(Geographic3D::EPSG_RGRDC_2005)`

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005)`
	`)`

RGSH2020

`Geographic3D::fromSRID(Geographic3D::EPSG_RGSH2020)`

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020)`
	`)`

RGSPM06

```
Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06)
```

to Danger 1950 height (Vertical)

EPSG	PHPCoord

Name: RGSPM06 to Danger 1950 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Pierre and Miquelon - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DANGER_`
	`↪1950_HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGSPM06Danger1950Provider->`
	`↪provideGrid()`
	`)`

to RGSPM06 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGSPM06)`
	`)`

to RGSPM06 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGSPM06_LON_LAT)`
	`)`

to RGSPM06 + Danger 1950 height (Compound)

EPSG	PHPCoord

Name: RGSPM06 to RGSPM06 + Danger 1950 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Pierre and Miquelon - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RGSPM06_PLUS_DANGER_1950_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGSPM06Danger1950Provider->provideGrid()`
	`)`

RGSPM06 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06_LON_LAT)`

to RGSPM06 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGSPM06)`
	`)`

RGTAAF07

`Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07)`
	`)`

to RGTAAF07 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07_LON_LAT)`
	`)`

RGTAAF07 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07_LON_LAT)`

to RGTAAF07 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGTAAF07)`
	`)`

RGWF96

`Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96)`

to RGWF96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96)`
	`)`

to RGWF96 (lon-lat) (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96_LON_LAT)`
	`)`

RGWF96 (lon-lat)

`Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96_LON_LAT)`

to RGWF96 (Geographic3D)

EPSG	PHPCoord

Name: axis order change (geographic3D horizontal)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->axisReversal(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGWF96)`
	`)`

RRAF 1991

`Geographic3D::fromSRID(Geographic3D::EPSG_RRAF_1991)`

to IGN 2008 LD height (Vertical)

EPSG	PHPCoord

Name: RRAF 1991 to IGN 2008 LD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - La Desirade - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_IGN_2008_LD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightWGS84IGN2008LaDesiradeProvider->provideGrid()`
	`)`

to RRAF 1991 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RRAF_1991)`
	`)`

to RRAF 1991 + IGN 2008 LD height (Compound)

EPSG	PHPCoord

Name: RRAF 1991 to RRAF 1991 + IGN 2008 LD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - La Desirade - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_RRAF_1991_PLUS_IGN_2008_LD_HEIGHT),`
	`  geoidHeightCorrectionModelFile: IGNFHeightWGS84IGN2008LaDesiradeProvider->provideGrid()`
	`)`

RSAO13

`Geographic3D::fromSRID(Geographic3D::EPSG_RSAO13)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13)`
	`)`

RSRGD2000

`Geographic3D::fromSRID(Geographic3D::EPSG_RSRGD2000)`

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000)`
	`)`

SHGD2015

`Geographic3D::fromSRID(Geographic3D::EPSG_SHGD2015)`

to SHGD2015 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015)`
	`)`

SIRGAS 1995

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_1995)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995)`
	`)`

SIRGAS 2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_2000)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_2000)`
	`)`

SIRGAS-CON DGF00P01

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF00P01)
```

to SIRGAS-CON DGF00P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF00P01)`
	`)`

SIRGAS-CON DGF01P01

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P01)
```

to SIRGAS-CON DGF01P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF01P01)`
	`)`

to SIRGAS-CON DGF01P02 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF01P02)`
	`)`

SIRGAS-CON DGF01P02

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF01P02)`

to SIRGAS-CON DGF01P02 (Geocentric)

EPSG	PHPCoord

Name: geocentric to geographic3D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_`
	`↪SIRGAS_CON_DGF01P02)`
	`)`

SIRGAS-CON DGF02P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF02P01)`

to SIRGAS-CON DGF02P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF02P01)`
	`)`

SIRGAS-CON DGF04P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF04P01)`

to SIRGAS-CON DGF04P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF04P01)`
	`)`

SIRGAS-CON DGF05P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF05P01)`

to SIRGAS-CON DGF05P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF05P01)`
	`)`

SIRGAS-CON DGF06P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF06P01)`

to SIRGAS-CON DGF06P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF06P01)`
	`)`

SIRGAS-CON DGF07P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF07P01)`

to SIRGAS-CON DGF07P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF07P01)`
	`)`

SIRGAS-CON DGF08P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_DGF08P01)`

to SIRGAS-CON DGF08P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_DGF08P01)`
	`)`

SIRGAS-CON SIR09P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR09P01)`

to SIRGAS-CON SIR09P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR09P01)`
	`)`

SIRGAS-CON SIR10P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR10P01)`

to SIRGAS-CON SIR10P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR10P01)`
	`)`

SIRGAS-CON SIR11P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR11P01)`

to SIRGAS-CON SIR11P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR11P01)`
	`)`

SIRGAS-CON SIR13P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR13P01)`

to SIRGAS-CON SIR13P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR13P01)`
	`)`

SIRGAS-CON SIR14P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR14P01)`

to SIRGAS-CON SIR14P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR14P01)`
	`)`

SIRGAS-CON SIR15P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR15P01)`

to SIRGAS-CON SIR15P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR15P01)`
	`)`

SIRGAS-CON SIR17P01

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CON_SIR17P01)`

to SIRGAS-CON SIR17P01 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CON_SIR17P01)`
	`)`

SIRGAS-Chile 2002

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2002)
```

to SIRGAS-Chile 2002 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2002)`
	`)`

SIRGAS-Chile 2010

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2010)
```

to SIRGAS-Chile 2010 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2010)`
	`)`

SIRGAS-Chile 2013

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2013)
```

to SIRGAS-Chile 2013 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2013)`
	`)`

SIRGAS-Chile 2016

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2016)`

to SIRGAS-Chile 2016 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2016)`
	`)`

SIRGAS-Chile 2021

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_CHILE_2021)`

to SIRGAS-Chile 2021 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_CHILE_2021)`
	`)`

SIRGAS-ROU98

`Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_ROU98)`

to SIRGAS-ROU98 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_ROU98)`
	`)`

SIRGAS_ES2007.8

```
Geographic3D::fromSRID(Geographic3D::EPSG_SIRGAS_ES2007_8)
```

to SIRGAS_ES2007.8 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SIRGAS_ES2007_8)`
	`)`

SRB_ETRS89

```
Geographic3D::fromSRID(Geographic3D::EPSG_SRB_ETRS89)
```

to SRB_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SRB_ETRS89)`
	`)`

SREF98

```
Geographic3D::fromSRID(Geographic3D::EPSG_SREF98)
```

to SREF98 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SREF98)`
	`)`

SRGI2013

```
Geographic3D::fromSRID(Geographic3D::EPSG_SRGI2013)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SRGI2013)`
	`)`

SWEREF99

```
Geographic3D::fromSRID(Geographic3D::EPSG_SWEREF99)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SWEREF99)`
	`)`

Slovenia 1996

```
Geographic3D::fromSRID(Geographic3D::EPSG_SLOVENIA_1996)
```

to SVS2010 height (Vertical)

EPSG	PHPCoord

Name: Slovenia 1996 to SVS2010 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - onshore
	`$point->geographic3DToGravityHeightFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SVS2010_`
	`↪HEIGHT),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪KMSSlovenia1996SVS2010Provider->provideGrid()`
	`)`

to Slovenia 1996 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SLOVENIA_1996)`
	`)`

to Slovenia 1996 + SVS2010 height (Compound)

EPSG	PHPCoord

Name: Slovenia 1996 to Slovenia 1996 + SVS2010 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Compound::fromSRID(Compound::EPSG_SLOVENIA_1996_PLUS_SVS2010_HEIGHT),`
	`  geoidHeightCorrectionModelFile: KMSSlovenia1996SVS2010Provider->provideGrid()`
	`)`

St. Helena Tritan

`Geographic3D::fromSRID(Geographic3D::EPSG_ST_HELENA_TRITAN)`

to St. Helena Tritan (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN)`
	`)`

TGD2005

```
Geographic3D::fromSRID(Geographic3D::EPSG_TGD2005)
```

to TGD2005 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TGD2005)`
	`)`

TUREF

```
Geographic3D::fromSRID(Geographic3D::EPSG_TUREF)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TUREF)`
	`)`

TWD97

```
Geographic3D::fromSRID(Geographic3D::EPSG_TWD97)
```

to TWD97 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TWD97)`
	`)`

UCS-2000

```
Geographic3D::fromSRID(Geographic3D::EPSG_UCS_2000)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000)`
	`)`

WGS 66

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_66)
```

to WGS 66 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_66)`
	`)`

WGS 72

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_72)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72)`
	`)`

WGS 72BE

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_72BE)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE)`
	`)`

WGS 84

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84)
```

to Tokyo + JSLD69 height (Compound)

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 45°20'N to 46°N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-7.94),`
	`  longitudeOffset: new ArcSecond(13.97),`
	`  geoidUndulation: new Metre(-26.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°40'N to 45°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.1),`
	`  longitudeOffset: new ArcSecond(13.81),`
	`  geoidUndulation: new Metre(-27.2)`
	`)`

continues on next page

Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°40'N to 45°20'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.15),`
	`  longitudeOffset: new ArcSecond(13.95),`
	`  geoidUndulation: new Metre(-28.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.37),`
	`  longitudeOffset: new ArcSecond(13.65),`
	`  geoidUndulation: new Metre(-29)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.44),`
	`  longitudeOffset: new ArcSecond(13.87),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.61),`
	`  longitudeOffset: new ArcSecond(14.08),`
	`  geoidUndulation: new Metre(-30.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (13)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 144°E to 145°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.73),`
	`  longitudeOffset: new ArcSecond(14.3),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (14)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.63),`
	`  longitudeOffset: new ArcSecond(13.49),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (15)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.71),`
	`  longitudeOffset: new ArcSecond(13.73),`
	`  geoidUndulation: new Metre(-31.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (16)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.84),`
	`  longitudeOffset: new ArcSecond(14.03),`
	`  geoidUndulation: new Metre(-31.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (17)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 144°E to 145°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.98),`
	`  longitudeOffset: new ArcSecond(14.33),`
	`  geoidUndulation: new Metre(-32.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (18)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - north of 43°20'N; 145°E to 146°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.1),`
	`  longitudeOffset: new ArcSecond(14.56),`
	`  geoidUndulation: new Metre(-32.6)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (19)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°25'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.79),`
	`  longitudeOffset: new ArcSecond(13),`
	`  geoidUndulation: new Metre(-33.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (20)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.84),`
	`  longitudeOffset: new ArcSecond(13.31),`
	`  geoidUndulation: new Metre(-31.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (21)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.98),`
	`  longitudeOffset: new ArcSecond(13.59),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (22)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.1),`
	`  longitudeOffset: new ArcSecond(13.91),`
	`  geoidUndulation: new Metre(-29.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (23)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 144°E to 145°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.17),`
	`  longitudeOffset: new ArcSecond(14.27),`
	`  geoidUndulation: new Metre(-31.3)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (24)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 145°E to 146°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.23),`
	`  longitudeOffset: new ArcSecond(14.52),`
	`  geoidUndulation: new Metre(-31.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (25)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - north of 42°N; west of 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.9),`
	`  longitudeOffset: new ArcSecond(12.68),`
	`  geoidUndulation: new Metre(-34.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (26)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°N to 42°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-8.99),`
	`  longitudeOffset: new ArcSecond(12.8),`
	`  geoidUndulation: new Metre(-34.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (27)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°N to 42°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9),`
	`  longitudeOffset: new ArcSecond(13.07),`
	`  geoidUndulation: new Metre(-31.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (28)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°N to 42°40'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.21),`
	`  longitudeOffset: new ArcSecond(13.51),`
	`  geoidUndulation: new Metre(-27.5)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (29)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - south of 42°40'N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.33),`
	`  longitudeOffset: new ArcSecond(13.66),`
	`  geoidUndulation: new Metre(-23.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (30)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 41°20'N to 42°N; west of 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.25),`
	`  longitudeOffset: new ArcSecond(12.72),`
	`  geoidUndulation: new Metre(-34.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (31)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 41°20'N to 42°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.39),`
	`  longitudeOffset: new ArcSecond(12.91),`
	`  geoidUndulation: new Metre(-31.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (32)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°40'N to 41°20'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.55),`
	`  longitudeOffset: new ArcSecond(12.63),`
	`  geoidUndulation: new Metre(-35.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (33)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°40'N to 41°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.62),`
	`  longitudeOffset: new ArcSecond(12.82),`
	`  geoidUndulation: new Metre(-34.7)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (34)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°N to 40°48'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.81),`
	`  longitudeOffset: new ArcSecond(12.29),`
	`  geoidUndulation: new Metre(-36.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (35)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°N to 40°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.81),`
	`  longitudeOffset: new ArcSecond(12.45),`
	`  geoidUndulation: new Metre(-37.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (36)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°N to 40°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.92),`
	`  longitudeOffset: new ArcSecond(12.79),`
	`  geoidUndulation: new Metre(-38.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (37)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 39°20'N to 40°N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-9.91),`
	`  longitudeOffset: new ArcSecond(12.21),`
	`  geoidUndulation: new Metre(-36.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (38)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 39°20'N to 40°N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.08),`
	`  longitudeOffset: new ArcSecond(12.35),`
	`  geoidUndulation: new Metre(-39)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (39)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 39°20'N to 40°N; east of 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.19),`
	`  longitudeOffset: new ArcSecond(12.74),`
	`  geoidUndulation: new Metre(-40.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (40)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°40'N to 39°20'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.29),`
	`  longitudeOffset: new ArcSecond(12.13),`
	`  geoidUndulation: new Metre(-38.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (41)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°40'N to 39°20'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.33),`
	`  longitudeOffset: new ArcSecond(12.27),`
	`  geoidUndulation: new Metre(-40.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (42)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°40'N to 39°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.45),`
	`  longitudeOffset: new ArcSecond(12.61),`
	`  geoidUndulation: new Metre(-41.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (43)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°N to 38°40'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.54),`
	`  longitudeOffset: new ArcSecond(11.96),`
	`  geoidUndulation: new Metre(-39.1)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (44)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°N to 38°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.65),`
	`  longitudeOffset: new ArcSecond(12.27),`
	`  geoidUndulation: new Metre(-41.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (45)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°N to 38°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.67),`
	`  longitudeOffset: new ArcSecond(12.5),`
	`  geoidUndulation: new Metre(-41.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (46)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.67),`
	`  longitudeOffset: new ArcSecond(10.86),`
	`  geoidUndulation: new Metre(-38.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (47)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.68),`
	`  longitudeOffset: new ArcSecond(10.97),`
	`  geoidUndulation: new Metre(-36)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (48)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.8),`
	`  longitudeOffset: new ArcSecond(11.53),`
	`  geoidUndulation: new Metre(-39.7)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (49)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.8),`
	`  longitudeOffset: new ArcSecond(11.73),`
	`  geoidUndulation: new Metre(-40.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (50)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.92),`
	`  longitudeOffset: new ArcSecond(12.16),`
	`  geoidUndulation: new Metre(-42.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (51)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11),`
	`  longitudeOffset: new ArcSecond(12.25),`
	`  geoidUndulation: new Metre(-41.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (52)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.83),`
	`  longitudeOffset: new ArcSecond(10.77),`
	`  geoidUndulation: new Metre(-36.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (53)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.95),`
	`  longitudeOffset: new ArcSecond(11),`
	`  geoidUndulation: new Metre(-38.7)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (54)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-10.97),`
	`  longitudeOffset: new ArcSecond(11.34),`
	`  geoidUndulation: new Metre(-40.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (55)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.04),`
	`  longitudeOffset: new ArcSecond(11.69),`
	`  geoidUndulation: new Metre(-43.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (56)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; east of 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.17),`
	`  longitudeOffset: new ArcSecond(12.05),`
	`  geoidUndulation: new Metre(-42.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (57)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; west of137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.11),`
	`  longitudeOffset: new ArcSecond(10.59),`
	`  geoidUndulation: new Metre(-37.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (58)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.16),`
	`  longitudeOffset: new ArcSecond(10.97),`
	`  geoidUndulation: new Metre(-40.3)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (59)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.29),`
	`  longitudeOffset: new ArcSecond(11.23),`
	`  geoidUndulation: new Metre(-42.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (60)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.36),`
	`  longitudeOffset: new ArcSecond(11.59),`
	`  geoidUndulation: new Metre(-42.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (61)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.44),`
	`  longitudeOffset: new ArcSecond(11.88),`
	`  geoidUndulation: new Metre(-40.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (62)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.27),`
	`  longitudeOffset: new ArcSecond(9.31),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (63)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.33),`
	`  longitudeOffset: new ArcSecond(9.52),`
	`  geoidUndulation: new Metre(-33.8)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (64)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.38),`
	`  longitudeOffset: new ArcSecond(9.86),`
	`  geoidUndulation: new Metre(-34.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (65)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.41),`
	`  longitudeOffset: new ArcSecond(10.14),`
	`  geoidUndulation: new Metre(-35.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (66)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.39),`
	`  longitudeOffset: new ArcSecond(10.52),`
	`  geoidUndulation: new Metre(-37.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (67)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.49),`
	`  longitudeOffset: new ArcSecond(10.83),`
	`  geoidUndulation: new Metre(-39.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (68)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.58),`
	`  longitudeOffset: new ArcSecond(11.21),`
	`  geoidUndulation: new Metre(-41.7)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (69)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.65),`
	`  longitudeOffset: new ArcSecond(11.53),`
	`  geoidUndulation: new Metre(-38.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (70)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.72),`
	`  longitudeOffset: new ArcSecond(11.8),`
	`  geoidUndulation: new Metre(-34.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (71)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.44),`
	`  longitudeOffset: new ArcSecond(9.21),`
	`  geoidUndulation: new Metre(-32.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (72)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.47),`
	`  longitudeOffset: new ArcSecond(9.52),`
	`  geoidUndulation: new Metre(-35.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (73)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.55),`
	`  longitudeOffset: new ArcSecond(9.8),`
	`  geoidUndulation: new Metre(-35.4)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (74)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40N' to 35°20'N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.61),`
	`  longitudeOffset: new ArcSecond(10.12),`
	`  geoidUndulation: new Metre(-35.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (75)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.66),`
	`  longitudeOffset: new ArcSecond(10.47),`
	`  geoidUndulation: new Metre(-37)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (76)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.78),`
	`  longitudeOffset: new ArcSecond(10.79),`
	`  geoidUndulation: new Metre(-39.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (77)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.85),`
	`  longitudeOffset: new ArcSecond(11.13),`
	`  geoidUndulation: new Metre(-39.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (78)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.9),`
	`  longitudeOffset: new ArcSecond(11.47),`
	`  geoidUndulation: new Metre(-36.9)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (79)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.91),`
	`  longitudeOffset: new ArcSecond(11.69),`
	`  geoidUndulation: new Metre(-33.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (80)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.65),`
	`  longitudeOffset: new ArcSecond(8.59),`
	`  geoidUndulation: new Metre(-29.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (81)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - north of 34°N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.68),`
	`  longitudeOffset: new ArcSecond(8.8),`
	`  geoidUndulation: new Metre(-30.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (82)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.73),`
	`  longitudeOffset: new ArcSecond(9.04),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.72),`
	`  longitudeOffset: new ArcSecond(9.48),`
	`  geoidUndulation: new Metre(-35.1)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (84)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.81),`
	`  longitudeOffset: new ArcSecond(-9.74),`
	`  geoidUndulation: new Metre(-35.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (85)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.88),`
	`  longitudeOffset: new ArcSecond(10.1),`
	`  geoidUndulation: new Metre(-37.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (86)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.91),`
	`  longitudeOffset: new ArcSecond(10.35),`
	`  geoidUndulation: new Metre(-37.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (87)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.9),`
	`  longitudeOffset: new ArcSecond(10.7),`
	`  geoidUndulation: new Metre(-39.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (88)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.02),`
	`  longitudeOffset: new ArcSecond(11.09),`
	`  geoidUndulation: new Metre(-38.2)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (89)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 129°E to 130°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.87),`
	`  longitudeOffset: new ArcSecond(8.23),`
	`  geoidUndulation: new Metre(-29.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (90)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.84),`
	`  longitudeOffset: new ArcSecond(8.44),`
	`  geoidUndulation: new Metre(-30.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (91)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.94),`
	`  longitudeOffset: new ArcSecond(8.71),`
	`  geoidUndulation: new Metre(-30.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (92)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-11.99),`
	`  longitudeOffset: new ArcSecond(9.02),`
	`  geoidUndulation: new Metre(-30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (93)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.05),`
	`  longitudeOffset: new ArcSecond(9.36),`
	`  geoidUndulation: new Metre(-35)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (94)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.1),`
	`  longitudeOffset: new ArcSecond(9.64),`
	`  geoidUndulation: new Metre(-35.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (95)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.1),`
	`  longitudeOffset: new ArcSecond(10.08),`
	`  geoidUndulation: new Metre(-37.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (96)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.07),`
	`  longitudeOffset: new ArcSecond(10.25),`
	`  geoidUndulation: new Metre(-37.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (97)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 129°E to 130°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12),`
	`  longitudeOffset: new ArcSecond(8.15),`
	`  geoidUndulation: new Metre(-32.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (98)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.06),`
	`  longitudeOffset: new ArcSecond(8.38),`
	`  geoidUndulation: new Metre(-31)`
	`)`

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Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (99)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.17),`
	`  longitudeOffset: new ArcSecond(8.69),`
	`  geoidUndulation: new Metre(-30.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (100)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.23),`
	`  longitudeOffset: new ArcSecond(8.99),`
	`  geoidUndulation: new Metre(-31.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (101)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.21),`
	`  longitudeOffset: new ArcSecond(9.21),`
	`  geoidUndulation: new Metre(-34.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (102)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.28),`
	`  longitudeOffset: new ArcSecond(9.6),`
	`  geoidUndulation: new Metre(-33.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (103)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°N to 32°40'N; 129°54'E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.28),`
	`  longitudeOffset: new ArcSecond(8.25),`
	`  geoidUndulation: new Metre(-31)`
	`)`

continues on next page

Table 1 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (104)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°N to 32°40'N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.37),`
	`  longitudeOffset: new ArcSecond(8.55),`
	`  geoidUndulation: new Metre(-29.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (105)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 31°20'N to 32°N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.53),`
	`  longitudeOffset: new ArcSecond(8.21),`
	`  geoidUndulation: new Metre(-31)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (106)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 31°20'N to 32°N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.57),`
	`  longitudeOffset: new ArcSecond(8.4),`
	`  geoidUndulation: new Metre(-28.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (107)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore mainland south of 31°20'N
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-12.71),`
	`  longitudeOffset: new ArcSecond(8.17),`
	`  geoidUndulation: new Metre(-29.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 45°20'N to 46°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Compound::fromSRID(Compound::EPSG_TOKYO_`
	`↪PLUS_JSLD69_HEIGHT),`
	`  latitudeOffset: new ArcSecond(-7.92),`
	`  longitudeOffset: new ArcSecond(13.88),`
	`  geoidUndulation: new Metre(-26.1)`
	`)`

to WGS 84 (G2139) (Geocentric)

EPSG	PHPCoord

Name: WGS 84 to WGS 84 (G2139) (geog3D to geocen)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->geographicGeocentric(`
	`  to: Geocentric::fromSRID(Geocentric::EPSG_WGS_84_G2139)`
	`)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84)`
	`)`

WGS 84 (G1150)

`Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1150)`

to WGS 84 (G1150) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84_G1150)`
	`)`

WGS 84 (G1674)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1674)
```

to WGS 84 (G1674) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_G1674)`
	`)`

WGS 84 (G1762)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G1762)
```

to WGS 84 (G1762) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_G1762)`
	`)`

WGS 84 (G2139)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G2139)
```

to WGS 84 (G2139) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_G2139)`
	`)`

WGS 84 (G2296)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G2296)
```

to WGS 84 (G2296) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_G2296)`
	`)`

WGS 84 (G730)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G730)
```

to WGS 84 (G730) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_G730)`
	`)`

WGS 84 (G873)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_G873)
```

to WGS 84 (G873) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_G873)`
	`)`

WGS 84 (Transit)

```
Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84_TRANSIT)
```

to WGS 84 (Transit) (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84_TRANSIT)`
	`)`

Yemen NGN96

```
Geographic3D::fromSRID(Geographic3D::EPSG_YEMEN_NGN96)
```

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: geographic3D to geographic2D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->threeDToTwoD(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪YEMEN_NGN96)`
	`)`

1.12.4 Projected

AGD66 / ACT Standard Grid

```
Projected::fromSRID(Projected::EPSG_AGD66_ACT_STANDARD_GRID)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: ACT Standard Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Australian Capital Territory
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(-35.317736277778),`
	`  longitudeOfNaturalOrigin: new Degree(149.00929483056),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000086),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

AGD66 / AMG zone 49

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_49)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 108°E to 114°E (EEZ)
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 50

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_50)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E (EEZ)
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 51

`Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_51)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 52

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_52)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 53

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_53)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 54

`Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_54)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 55

`Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_55)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 56

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_56)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 57

```
Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_57)
```

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / AMG zone 58

`Projected::fromSRID(Projected::EPSG_AGD66_AMG_ZONE_58)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - EEZ east of 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD66 / Vicgrid66

`Projected::fromSRID(Projected::EPSG_AGD66_VICGRID66)`

to AGD66 (Geographic2D)

EPSG	PHPCoord

Name: Vicgrid66
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Victoria
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD66),`
	`  latitudeOfFalseOrigin: new Degree(-37),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(-36),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

AGD84 / AMG zone 49

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_49)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 108°E to 114°E (EEZ)
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 50

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_50)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E (EEZ)
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 51

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_51)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 52

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_52)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 53

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_53)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 54

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_54)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 55

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_55)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

AGD84 / AMG zone 56

```
Projected::fromSRID(Projected::EPSG_AGD84_AMG_ZONE_56)
```

to AGD84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Map Grid zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and PNG - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AGD84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ATF (Paris) / Nord de Guerre

```
Projected::fromSRID(Projected::EPSG_ATF_PARIS_NORD_DE_GUERRE)
```

to ATF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Nord de Guerre
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Alsace
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(55),`
	`  longitudeOfNaturalOrigin: new Grad(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99950908),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

ATS77 / MTM Nova Scotia zone 4

```
Projected::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_4)
```

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: MTM Nova Scotia zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - east of 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ATS77 / MTM Nova Scotia zone 5

```
Projected::fromSRID(Projected::EPSG_ATS77_MTM_NOVA_SCOTIA_ZONE_5)
```

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: MTM Nova Scotia zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - west of 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ATS77 / New Brunswick Stereographic (ATS77)

```
Projected::fromSRID(Projected::EPSG_ATS77_NEW_BRUNSWICK_STEREOGRAPHIC_ATS77)
```

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: New Brunswick Stereographic (ATS77)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(800000)`
	`)`

ATS77 / Prince Edward Isl. Stereographic (ATS77)

```
Projected::fromSRID(Projected::EPSG_ATS77_PRINCE_EDWARD_ISL_STEREOGRAPHIC_ATS77)
```

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: Prince Edward Island Stereographic (ATS77)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(400000)`
	`)`

ATS77 / UTM zone 19N

```
Projected::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_19N)
```

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ATS77 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_ATS77_UTM_ZONE_20N)
```

to ATS77 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ATS77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

AbInvA96_2020 Grid

```
Projected::fromSRID(Projected::EPSG_ABINVA96_2020_GRID)
```

to AbInvA96_2020-IRF (Geographic2D)

EPSG	PHPCoord

Name: AbInvA96_2020-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Aberdeen to Inverness
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ABINVA96_2020_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(57.4),`
	`  longitudeOfNaturalOrigin: new Degree(-3.2),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(155828.702),`
	`  falseNorthing: new Metre(115225.707)`
	`)`

Abidjan 1987 / TM 5 NW

`Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_TM_5_NW)`

to Abidjan 1987 (Geographic2D)

EPSG	PHPCoord

Name: TM 5 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast) - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ABIDJAN_1987),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Abidjan 1987 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_29N)`

to Abidjan 1987 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ABIDJAN_1987),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Abidjan 1987 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_ABIDJAN_1987_UTM_ZONE_30N)
```

to Abidjan 1987 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ABIDJAN_1987),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Accra / Ghana National Grid

```
Projected::fromSRID(Projected::EPSG_ACCRA_GHANA_NATIONAL_GRID)
```

to Accra (Geographic2D)

EPSG	PHPCoord

Name: Ghana National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ACCRA),`
	`  latitudeOfNaturalOrigin: new Degree(4.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-1),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new GoldCoastFoot(900000),`
	`  falseNorthing: new GoldCoastFoot(0)`
	`)`

Accra / TM 1 NW

`Projected::fromSRID(Projected::EPSG_ACCRA_TM_1_NW)`

to Accra (Geographic2D)

EPSG	PHPCoord

Name: TM 1 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ACCRA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-1),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Adindan / UTM zone 35N

`Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_35N)`

to Adindan (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ADINDAN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Adindan / UTM zone 36N

`Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_36N)`

to Adindan (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ADINDAN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Adindan / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_37N)`

to Adindan (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ADINDAN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Adindan / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_ADINDAN_UTM_ZONE_38N)
```

to Adindan (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ADINDAN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Afgooye / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_AFGOOYE_UTM_ZONE_38N)
```

to Afgooye (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AFGOOYE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Afgooye / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_AFGOOYE_UTM_ZONE_39N)`

to Afgooye (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AFGOOYE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Ain el Abd / Aramco Lambert

`Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_ARAMCO_LAMBERT)`

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: Aramco Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Saudi Arabia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfFalseOrigin: new Degree(25.08951),`
	`  longitudeOfFalseOrigin: new Degree(48),`
	`  latitudeOf1stStandardParallel: new Degree(17),`
	`  latitudeOf2ndStandardParallel: new Degree(33),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

Ain el Abd / Bahrain Grid

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_BAHRAIN_GRID)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: Bahrain State Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bahrain
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Ain el Abd / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_36N)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Ain el Abd / UTM zone 37N

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_37N)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Ain el Abd / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_38N)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Ain el Abd / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_39N)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Ain el Abd / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_AIN_EL_ABD_UTM_ZONE_40N)
```

to Ain el Abd (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AIN_EL_ABD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Albanian 1987 / Gauss-Kruger zone 4

`Projected::fromSRID(Projected::EPSG_ALBANIAN_1987_GAUSS_KRUGER_ZONE_4)`

to Albanian 1987 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ALBANIAN_1987),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

American Samoa 1962 / American Samoa Lambert

`Projected::fromSRID(Projected::EPSG_AMERICAN_SAMOA_1962_AMERICAN_SAMOA_LAMBERT)`

to American Samoa 1962 (Geographic2D)

EPSG	PHPCoord

Name: American Samoa Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - 2 main island groups
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AMERICAN_SAMOA_1962),`
	`  latitudeOfNaturalOrigin: new Degree(-14.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(312234.65)`
	`)`

Amersfoort / RD New

```
Projected::fromSRID(Projected::EPSG_AMERSFOORT_RD_NEW)
```

to Amersfoort (Geographic2D)

EPSG	PHPCoord

Name: RD New
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AMERSFOORT),`
	`  latitudeOfNaturalOrigin: new Degree(52.156160555556),`
	`  longitudeOfNaturalOrigin: new Degree(5.3876388888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999079),`
	`  falseEasting: new Metre(155000),`
	`  falseNorthing: new Metre(463000)`
	`)`

Amersfoort / RD Old

```
Projected::fromSRID(Projected::EPSG_AMERSFOORT_RD_OLD)
```

to Amersfoort (Geographic2D)

EPSG	PHPCoord

Name: RD Old
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AMERSFOORT),`
	`  latitudeOfNaturalOrigin: new Degree(52.156160555556),`
	`  longitudeOfNaturalOrigin: new Degree(5.3876388888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999079),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Ammassalik 1958 / Greenland zone 7 east

```
Projected::fromSRID(Projected::EPSG_AMMASSALIK_1958_GREENLAND_ZONE_7_EAST)
```

to Ammassalik 1958 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 7 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - east - 63°N to 66°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AMMASSALIK_1958),`
	`  latitudeOfNaturalOrigin: new Degree(64.5),`
	`  longitudeOfNaturalOrigin: new Degree(-40),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Anguilla 1957 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_ANGUILLA_1957_BRITISH_WEST_INDIES_GRID)
```

to Anguilla 1957 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ANGUILLA_1957),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

Antigua 1943 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_ANTIGUA_1943_BRITISH_WEST_INDIES_GRID)
```

to Antigua 1943 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ANTIGUA_1943),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

Aratu / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_22S)
```

to Aratu (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARATU),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Aratu / UTM zone 23S

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_23S)
```

to Aratu (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARATU),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Aratu / UTM zone 24S

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_24S)
```

to Aratu (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARATU),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Aratu / UTM zone 25S

```
Projected::fromSRID(Projected::EPSG_ARATU_UTM_ZONE_25S)
```

to Aratu (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARATU),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Arc 1950 / UTM zone 34S

```
Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_34S)
```

to Arc 1950 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1950),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Arc 1950 / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_35S)
```

to Arc 1950 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1950),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Arc 1950 / UTM zone 36S

```
Projected::fromSRID(Projected::EPSG_ARC_1950_UTM_ZONE_36S)
```

to Arc 1950 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1950),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Arc 1960 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35N)
```

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Arc 1960 / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_35S)
```

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Arc 1960 / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_36N)
```

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Arc 1960 / UTM zone 36S

```
Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_36S)
```

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ARC_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Arc 1960 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37N)`

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Arc 1960 / UTM zone 37S

`Projected::fromSRID(Projected::EPSG_ARC_1960_UTM_ZONE_37S)`

to Arc 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ARC_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Astro DOS 71 / SHLG71

`Projected::fromSRID(Projected::EPSG_ASTRO_DOS_71_SHLG71)`

to Astro DOS 71 (Geographic2D)

EPSG	PHPCoord

Name: St. Helena Local Grid 1971
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ASTRO_DOS_71),`
	`  latitudeOfNaturalOrigin: new Degree(-15.966666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-5.7166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

Astro DOS 71 / UTM zone 30S

`Projected::fromSRID(Projected::EPSG_ASTRO_DOS_71_UTM_ZONE_30S)`

to Astro DOS 71 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ASTRO_DOS_71),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Azores Central 1948 / UTM zone 26N

```
Projected::fromSRID(Projected::EPSG_AZORES_CENTRAL_1948_UTM_ZONE_26N)
```

to Azores Central 1948 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Azores Central 1995 / UTM zone 26N

```
Projected::fromSRID(Projected::EPSG_AZORES_CENTRAL_1995_UTM_ZONE_26N)
```

to Azores Central 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪AZORES_CENTRAL_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Azores Occidental 1939 / UTM zone 25N

`Projected::fromSRID(Projected::EPSG_AZORES_OCCIDENTAL_1939_UTM_ZONE_25N)`

to Azores Occidental 1939 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_OCCIDENTAL_1939),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Azores Oriental 1940 / UTM zone 26N

`Projected::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1940_UTM_ZONE_26N)`

to Azores Oriental 1940 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1940),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Azores Oriental 1995 / UTM zone 26N

```
Projected::fromSRID(Projected::EPSG_AZORES_ORIENTAL_1995_UTM_ZONE_26N)
```

to Azores Oriental 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_AZORES_ORIENTAL_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

BBT2000 / BBT-TM

```
Projected::fromSRID(Projected::EPSG_BBT2000_BBT_TM)
```

to BBT2000 (Geographic2D)

EPSG	PHPCoord

Name: Brenner Base Tunnel TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Brenner
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BBT2000),`
	`  latitudeOfNaturalOrigin: new Degree(46.980776305556),`
	`  longitudeOfNaturalOrigin: new Degree(11.52849375),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000121),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(100000)`
	`)`

BD50 (Brussels) / Belge Lambert 50

```
Projected::fromSRID(Projected::EPSG_BD50_BRUSSELS_BELGE_LAMBERT_50)
```

to BD50 (Brussels) (Geographic2D)

EPSG	PHPCoord

Name: Belge Lambert 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BD50_BRUSSELS),`
	`  latitudeOfFalseOrigin: new Degree(90),`
	`  longitudeOfFalseOrigin: new Degree(0),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(150000),`
	`  northingAtFalseOrigin: new Metre(5400000)`
	`)`

BD72 / Belge Lambert 72

```
Projected::fromSRID(Projected::EPSG_BD72_BELGE_LAMBERT_72)
```

to BD72 (Geographic2D)

EPSG	PHPCoord

Name: Belge Lambert 72
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SPBelgium(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BD72),`
	`  latitudeOfFalseOrigin: new Degree(90),`
	`  longitudeOfFalseOrigin: new Degree(4.3569397222222),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(150000.01256),`
	`  northingAtFalseOrigin: new Metre(5400088.4378)`
	`)`

BD72 / Belgian Lambert 72

`Projected::fromSRID(Projected::EPSG_BD72_BELGIAN_LAMBERT_72)`

to BD72 (Geographic2D)

EPSG	PHPCoord

Name: Belgian Lambert 72
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BD72),`
	`  latitudeOfFalseOrigin: new Degree(90),`
	`  longitudeOfFalseOrigin: new Degree(4.3674866666667),`
	`  latitudeOf1stStandardParallel: new Degree(51.166667233333),`
	`  latitudeOf2ndStandardParallel: new Degree(49.8333339),`
	`  eastingAtFalseOrigin: new Metre(150000.013),`
	`  northingAtFalseOrigin: new Metre(5400088.438)`
	`)`

BDA2000 / Bermuda 2000 National Grid

`Projected::fromSRID(Projected::EPSG_BDA2000_BERMUDA_2000_NATIONAL_GRID)`

to BDA2000 (Geographic2D)

EPSG	PHPCoord

Name: Bermuda 2000 National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bermuda
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BDA2000),`
	`  latitudeOfNaturalOrigin: new Degree(32),`
	`  longitudeOfNaturalOrigin: new Degree(-64.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(550000),`
	`  falseNorthing: new Metre(100000)`
	`)`

BGS2005 / CCS2005

`Projected::fromSRID(Projected::EPSG_BGS2005_CCS2005)`

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: Cadastral Coordinate System 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BGS2005),`
	`  latitudeOfFalseOrigin: new Degree(42.667875683333),`
	`  longitudeOfFalseOrigin: new Degree(25.5),`
	`  latitudeOf1stStandardParallel: new Degree(42),`
	`  latitudeOf2ndStandardParallel: new Degree(43.333333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(4725824.3591)`
	`)`

BGS2005 / UTM zone 34N

`Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N)`

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BGS2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

BGS2005 / UTM zone 34N (N-E)

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_34N_N_E)
```

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BGS2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

BGS2005 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N)
```

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BGS2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

BGS2005 / UTM zone 35N (N-E)

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_35N_N_E)
```

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BGS2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

BGS2005 / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_BGS2005_UTM_ZONE_36N)
```

to BGS2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BGS2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

BH_ETRS89 / TM

```
Projected::fromSRID(Projected::EPSG_BH_ETRS89_TM)
```

to BH_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Bosnia and Herzegovina Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bosnia and Herzegovina
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BH_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Barbados 1938 / Barbados National Grid

```
Projected::fromSRID(Projected::EPSG_BARBADOS_1938_BARBADOS_NATIONAL_GRID)
```

to Barbados 1938 (Geographic2D)

EPSG	PHPCoord

Name: Barbados National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Barbados - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BARBADOS_1938),`
	`  latitudeOfNaturalOrigin: new Degree(13.176388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-59.559722222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999986),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(75000)`
	`)`

Barbados 1938 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_BARBADOS_1938_BRITISH_WEST_INDIES_GRID)
```

to Barbados 1938 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BARBADOS_1938),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

Batavia (Jakarta) / NEIEZ

```
Projected::fromSRID(Projected::EPSG_BATAVIA_JAKARTA_NEIEZ)
```

to Batavia (Jakarta) (Geographic2D)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone (Jkt)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA_JAKARTA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3.1922805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Batavia / NEIEZ

```
Projected::fromSRID(Projected::EPSG_BATAVIA_NEIEZ)
```

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BATAVIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(110),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Batavia / TM 109 SE

```
Projected::fromSRID(Projected::EPSG_BATAVIA_TM_109_SE)
```

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: TM 109 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Java Sea - offshore northwest Java
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BATAVIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(109),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Batavia / UTM zone 48S

`Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_48S)`

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Batavia / UTM zone 49S

`Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_49S)`

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Batavia / UTM zone 50S

```
Projected::fromSRID(Projected::EPSG_BATAVIA_UTM_ZONE_50S)
```

to Batavia (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BATAVIA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Beduaram / TM 13 NE

```
Projected::fromSRID(Projected::EPSG_BEDUARAM_TM_13_NE)
```

to Beduaram (Geographic2D)

EPSG	PHPCoord

Name: TM 13 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Niger - southeast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEDUARAM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 102E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_102E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 105E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_105E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 108E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_108E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_111E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 114E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_114E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 117E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_117E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 120E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_120E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_123E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 126E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_126E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_129E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 132E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_132E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 135E

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_135E)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_75E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 78E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_78E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_81E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 84E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_84E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_87E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 90E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_90E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 93E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_93E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 96E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_96E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_CM_99E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 25

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_25)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_26)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 27

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_27)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_28)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_29)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 30

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_30)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 31

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_31)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_32)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 33

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_33)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 34

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_34)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 35

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_35)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 36

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_36)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 37

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_37)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 38

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_38)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 39

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_39)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 40

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_40)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 41

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_41)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 42

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_42)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 43

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_43)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 44

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_44)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / 3-degree Gauss-Kruger zone 45

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_3_DEGREE_GAUSS_KRUGER_ZONE_45)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_105E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_111E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_117E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_123E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 129E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_129E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_135E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_75E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_81E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_87E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 93E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_93E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_CM_99E)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 13

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_13)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 14

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_14)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 15

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_15)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 16

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_16)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 17

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_17)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 18

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_18)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 19

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_19)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 20

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_20)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 21

`Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_21)`

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_22)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Beijing 1954 / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_BEIJING_1954_GAUSS_KRUGER_ZONE_23)
```

to Beijing 1954 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BEIJING_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Bermuda 1957 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_BERMUDA_1957_UTM_ZONE_20N)
```

to Bermuda 1957 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BERMUDA_1957),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Bern 1898 (Bern) / LV03C

```
Projected::fromSRID(Projected::EPSG_BERN_1898_BERN_LV03C)
```

to Bern 1898 (Bern) (Geographic2D)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1903C
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BERN_1898_BERN),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(0),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(0),`
	`  northingAtProjectionCentre: new Metre(0)`
	`)`

Bissau / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_BISSAU_UTM_ZONE_28N)
```

to Bissau (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BISSAU),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Bogota 1975 / Colombia Bogota zone

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_BOGOTA_ZONE)
```

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: Colombia Bogota zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 75°35'W to 72°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪BOGOTA_1975),`
	`  latitudeOfNaturalOrigin: new Degree(4.`
	`↪5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-74.`
	`↪080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

Bogota 1975 / Colombia East Central zone

`Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_CENTRAL_ZONE)`

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: Colombia East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 72°35'W to 69°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975),`
	`  latitudeOfNaturalOrigin: new Degree(4.5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-71.080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

Bogota 1975 / Colombia East zone

`Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_EAST_ZONE)`

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: Colombia East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - east of 69°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975),`
	`  latitudeOfNaturalOrigin: new Degree(4.5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-68.080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

Bogota 1975 / Colombia West zone

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_COLOMBIA_WEST_ZONE)
```

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: Colombia West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - west of 75°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975),`
	`  latitudeOfNaturalOrigin: new Degree(4.5990472222222),`
	`  longitudeOfNaturalOrigin: new Degree(-77.080916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

Bogota 1975 / UTM zone 18N

```
Projected::fromSRID(Projected::EPSG_BOGOTA_1975_UTM_ZONE_18N)
```

to Bogota 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_BOGOTA_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 102E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_102E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_105E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 108E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_108E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_111E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 114E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_114E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_117E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 120E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_120E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_123E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 126E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_126E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 129E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_129E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 132E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_132E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_135E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_75E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 78E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_78E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 81E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_81E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 84E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_84E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_87E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 90E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_90E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 93E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_93E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 96E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_96E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_CM_99E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 25

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_25)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 26

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_26)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 27

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_27)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_28)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_29)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 30

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_30)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 31

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_31)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_32)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 33

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_33)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 34

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_34)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 35

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_35)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 36

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_36)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 37

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_37)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 38

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_38)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 39

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_39)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 40

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_40)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 41

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_41)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 42

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_42)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 43

`Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_43)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 44

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_44)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / 3-degree Gauss-Kruger zone 45

```
Projected::fromSRID(Projected::EPSG_CGCS2000_3_DEGREE_GAUSS_KRUGER_ZONE_45)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 105E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_105E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 111E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_111E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_117E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_123E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 129E

`Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_129E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_135E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 75E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_75E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 81E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_81E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 87E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_87E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_93E)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_CM_99E)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 13

`Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_13)`

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_14)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_15)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 16

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_16)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 17

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_17)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_18)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_19)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_20)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_21)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_22)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGCS2000 / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_CGCS2000_GAUSS_KRUGER_ZONE_23)
```

to China Geodetic Coordinate System 2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHINA_GEODETIC_COORDINATE_SYSTEM_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CGRS93 / Cyprus Local Transverse Mercator

`Projected::fromSRID(Projected::EPSG_CGRS93_CYPRUS_LOCAL_TRANSVERSE_MERCATOR)`

to CGRS93 (Geographic2D)

EPSG	PHPCoord

Name: Cyprus Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cyprus - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CGRS93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-3500000)`
	`)`

CH1903 / LV03

`Projected::fromSRID(Projected::EPSG_CH1903_LV03)`

to CH1903 (Geographic2D)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1903M
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CH1903),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(7.4395833333333),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(600000),`
	`  northingAtProjectionCentre: new Metre(200000)`
	`)`

CH1903 / LV03C-G

```
Projected::fromSRID(Projected::EPSG_CH1903_LV03C_G)
```

to CH1903 (Geographic2D)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1903C (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Liechtenstein
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CH1903),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(7.4395833333333),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(0),`
	`  northingAtProjectionCentre: new Metre(0)`
	`)`

CH1903+ / LV95

```
Projected::fromSRID(Projected::EPSG_CH1903_PLUS_LV95)
```

to CH1903+ (Geographic2D)

EPSG	PHPCoord

Name: Swiss Oblique Mercator 1995
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CH1903_PLUS),`
	`  latitudeOfProjectionCentre: new Degree(46.952405555556),`
	`  longitudeOfProjectionCentre: new Degree(7.4395833333333),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  eastingAtProjectionCentre: new Metre(2600000),`
	`  northingAtProjectionCentre: new Metre(1200000)`
	`)`

CI1971 / Chatham Islands Map Grid

`Projected::fromSRID(Projected::EPSG_CI1971_CHATHAM_ISLANDS_MAP_GRID)`

to Chatham Islands 1971 (Geographic2D)

EPSG	PHPCoord

Name: Chatham Islands Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHATHAM_ISLANDS_1971),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(650000)`
	`)`

CI1979 / Chatham Islands Map Grid

`Projected::fromSRID(Projected::EPSG_CI1979_CHATHAM_ISLANDS_MAP_GRID)`

to Chatham Islands 1979 (Geographic2D)

EPSG	PHPCoord

Name: Chatham Islands Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CHATHAM_ISLANDS_1979),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(650000)`
	`)`

CNH22 Grid

```
Projected::fromSRID(Projected::EPSG_CNH22_GRID)
```

to CNH22-IRF (Geographic2D)

EPSG	PHPCoord

Name: CNH22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Crewe to Holyhead
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CNH22_IRF),`
	`  latitudeOfFalseOrigin: new Degree(53.25),`
	`  longitudeOfFalseOrigin: new Degree(-3.5),`
	`  latitudeOf1stStandardParallel: new Degree(53.1),`
	`  latitudeOf2ndStandardParallel: new Degree(53.4),`
	`  eastingAtFalseOrigin: new Metre(212548.8756),`
	`  northingAtFalseOrigin: new Metre(495230.9254)`
	`)`

COV23 Grid

```
Projected::fromSRID(Projected::EPSG_COV23_GRID)
```

to COV23-IRF (Geographic2D)

EPSG	PHPCoord

Name: COV23-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Coventry
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_COV23_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.4),`
	`  longitudeOfNaturalOrigin: new Degree(-1.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(116887.9989),`
	`  falseNorthing: new Metre(102194.9369)`
	`)`

CR-SIRGAS / CRTM05

```
Projected::fromSRID(Projected::EPSG_CR_SIRGAS_CRTM05)
```

to CR-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Costa Rica TM 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore and offshore east of 86°30'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CR-SIRGAS / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_16N)
```

to CR-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CR-SIRGAS / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_CR_SIRGAS_UTM_ZONE_17N)`

to CR-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CR05 / CRTM05

`Projected::fromSRID(Projected::EPSG_CR05_CRTM05)`

to CR05 (Geographic2D)

EPSG	PHPCoord

Name: Costa Rica TM 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore and offshore east of 86°30'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CR05),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CSG67 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_21N)`

to CSG67 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CSG67),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CSG67 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_CSG67_UTM_ZONE_22N)`

to CSG67 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CSG67),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

CWS13 Grid

```
Projected::fromSRID(Projected::EPSG_CWS13_GRID)
```

to CWS13-IRF (Geographic2D)

EPSG	PHPCoord

Name: CWS13-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Chester to Shrewsbury
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CWS13_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.4),`
	`  longitudeOfNaturalOrigin: new Degree(-2.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(199668.0926),`
	`  falseNorthing: new Metre(89354.3229)`
	`)`

Cadastre 1997 / UTM zone 38S

```
Projected::fromSRID(Projected::EPSG_CADASTRE_1997_UTM_ZONE_38S)
```

to Cadastre 1997 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CADASTRE_1997),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Camacupa 1948 / TM 11.30 SE

`Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_11_30_SE)`

to Camacupa 1948 (Geographic2D)

EPSG	PHPCoord

Name: TM 11.30 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - offshore block 15
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Camacupa 1948 / TM 12 SE

`Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_TM_12_SE)`

to Camacupa 1948 (Geographic2D)

EPSG	PHPCoord

Name: TM 12 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Camacupa 1948 / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_UTM_ZONE_32S)`

to Camacupa 1948 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Camacupa 1948 / UTM zone 33S

`Projected::fromSRID(Projected::EPSG_CAMACUPA_1948_UTM_ZONE_33S)`

to Camacupa 1948 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMACUPA_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Campo Inchauspe / Argentina 1

`Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_1)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / Argentina 2

`Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_2)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / Argentina 3

`Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_3)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / Argentina 4

`Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_4)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / Argentina 5

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_5)
```

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / Argentina 6

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_6)
```

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / Argentina 7

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_ARGENTINA_7)
```

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Campo Inchauspe / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_19S)
```

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Campo Inchauspe / UTM zone 20S

`Projected::fromSRID(Projected::EPSG_CAMPO_INCHAUSPE_UTM_ZONE_20S)`

to Campo Inchauspe (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAMPO_INCHAUSPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Cape / Lo15

`Projected::fromSRID(Projected::EPSG_CAPE_LO15)`

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - Walvis Bay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo17

```
Projected::fromSRID(Projected::EPSG_CAPE_LO17)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - west of 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo19

```
Projected::fromSRID(Projected::EPSG_CAPE_LO19)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 18°E to 20°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo21

```
Projected::fromSRID(Projected::EPSG_CAPE_LO21)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 20°E to 22°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo23

```
Projected::fromSRID(Projected::EPSG_CAPE_LO23)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 22°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo25

```
Projected::fromSRID(Projected::EPSG_CAPE_LO25)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 24°E to 26°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo27

```
Projected::fromSRID(Projected::EPSG_CAPE_LO27)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 26°E to 28°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo29

```
Projected::fromSRID(Projected::EPSG_CAPE_LO29)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 28°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo31

```
Projected::fromSRID(Projected::EPSG_CAPE_LO31)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 30°E to 32°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / Lo33

```
Projected::fromSRID(Projected::EPSG_CAPE_LO33)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - east of 32°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Cape / UTM zone 34S

```
Projected::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_34S)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Cape / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_CAPE_UTM_ZONE_35S)
```

to Cape (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CAPE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Carthage / Nord Tunisie

```
Projected::fromSRID(Projected::EPSG_CARTHAGE_NORD_TUNISIE)
```

to Carthage (Geographic2D)

EPSG	PHPCoord

Name: Nord Tunisie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Carthage / Sud Tunisie

`Projected::fromSRID(Projected::EPSG_CARTHAGE_SUD_TUNISIE)`

to Carthage (Geographic2D)

EPSG	PHPCoord

Name: Sud Tunisie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - south of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Carthage / TM 11 NE

`Projected::fromSRID(Projected::EPSG_CARTHAGE_TM_11_NE)`

to Carthage (Geographic2D)

EPSG	PHPCoord

Name: TM 11 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tunisia - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Carthage / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_CARTHAGE_UTM_ZONE_32N)
```

to Carthage (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CARTHAGE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Cayman Islands National Grid 2011

```
Projected::fromSRID(Projected::EPSG_CAYMAN_ISLANDS_NATIONAL_GRID_2011)
```

to CIGD11 (Geographic2D)

EPSG	PHPCoord

Name: Cayman Islands LCC (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CIGD11),`
	`  latitudeOfFalseOrigin: new Degree(19.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-80.566666666667),`
	`  latitudeOf1stStandardParallel: new Degree(19.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(19.7),`
	`  eastingAtFalseOrigin: new Foot(2950000),`
	`  northingAtFalseOrigin: new Foot(1900000)`
	`)`

Chos Malal 1914 / Argentina 2

```
Projected::fromSRID(Projected::EPSG_CHOS_MALAL_1914_ARGENTINA_2)
```

to Chos Malal 1914 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHOS_MALAL_1914),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Chua / UTM zone 23S

```
Projected::fromSRID(Projected::EPSG_CHUA_UTM_ZONE_23S)
```

to Chua (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CHUA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Combani 1950 / UTM zone 38S

```
Projected::fromSRID(Projected::EPSG_COMBANI_1950_UTM_ZONE_38S)
```

to Combani 1950 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪COMBANI_1950),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Conakry 1905 / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_28N)
```

to Conakry 1905 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CONAKRY_1905),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Conakry 1905 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_CONAKRY_1905_UTM_ZONE_29N)
```

to Conakry 1905 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CONAKRY_1905),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Corrego Alegre 1961 / UTM zone 21S

```
Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_21S)
```

to Corrego Alegre 1961 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1961 / UTM zone 22S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_22S)`

to Corrego Alegre 1961 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1961 / UTM zone 23S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_23S)`

to Corrego Alegre 1961 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1961 / UTM zone 24S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1961_UTM_ZONE_24S)`

to Corrego Alegre 1961 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1961),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1970-72 / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_21S)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1970-72 / UTM zone 22S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_22S)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CORREGO_ALEGRE_1970_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1970-72 / UTM zone 23S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_23S)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪CORREGO_ALEGRE_1970_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1970-72 / UTM zone 24S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_24S)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Corrego Alegre 1970-72 / UTM zone 25S

`Projected::fromSRID(Projected::EPSG_CORREGO_ALEGRE_1970_72_UTM_ZONE_25S)`

to Corrego Alegre 1970-72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_CORREGO_ALEGRE_1970_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

County ST74

```
Projected::fromSRID(Projected::EPSG_COUNTY_ST74)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: County ST74
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - Stockholm county
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.05787),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999506),`
	`  falseEasting: new Metre(100182.7406),`
	`  falseNorthing: new Metre(-6500620.1207)`
	`)`

DB_REF / 3-degree Gauss-Kruger zone 2 (E-N)

```
Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_N)
```

to DB_REF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 006°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DB_REF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DB_REF / 3-degree Gauss-Kruger zone 3 (E-N)

`Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)`

to DB_REF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DB_REF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DB_REF / 3-degree Gauss-Kruger zone 4 (E-N)

`Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)`

to DB_REF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DB_REF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DB_REF / 3-degree Gauss-Kruger zone 5 (E-N)

`Projected::fromSRID(Projected::EPSG_DB_REF_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)`

to DB_REF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DB_REF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / Indonesia TM-3 zone 46.2

`Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_46_2)`

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 46.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - west of 96°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 47.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 47.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 96°E to 99°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(97.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 47.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_47_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 47.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 99°E to 102°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(100.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 48.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_48_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 48.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 102°E to 105°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(103.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 48.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_48_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 48.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 105°E to 108°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 49.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 49.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 108°E to 111°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(109.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 49.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_49_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 49.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 111°E to 114°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 50.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 50.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 114°E to 117°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 50.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_50_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 50.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 117°E to 120°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(118.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 51.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 51.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 120°E to 123°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 51.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_51_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 51.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 123°E to 126°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(124.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 52.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 52.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 126°E to 129°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 52.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_52_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 52.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 129°E to 132°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(130.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 53.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 53.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 132°E to 135°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 53.2

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_53_2)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 53.2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - 135°E to 138°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(136.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / Indonesia TM-3 zone 54.1

```
Projected::fromSRID(Projected::EPSG_DGN95_INDONESIA_TM_3_ZONE_54_1)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: Indonesia TM-3 zone 54.1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - east of 138°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(139.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

DGN95 / UTM zone 46N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_46N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 47N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 47S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_47S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 48N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 48S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_48S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 49N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 49S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_49S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 50N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 50S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_50S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 51N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 51S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_51S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 52N

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52N)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DGN95 / UTM zone 52S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_52S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 53S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_53S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DGN95 / UTM zone 54S

```
Projected::fromSRID(Projected::EPSG_DGN95_UTM_ZONE_54S)
```

to DGN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DGN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 1

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_1)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 003°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 1 (E-N)

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_1_E_N)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 003°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 2

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_2)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 006°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 2 (E-N)

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_2_E_N)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 006°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 3

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_3)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 3 (E-N)

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 4

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_4)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 4 (E-N)

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 5

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / 3-degree Gauss-Kruger zone 5 (E-N)

`Projected::fromSRID(Projected::EPSG_DHDN_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)`

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

DHDN / Soldner Berlin

```
Projected::fromSRID(Projected::EPSG_DHDN_SOLDNER_BERLIN)
```

to DHDN (Geographic2D)

EPSG	PHPCoord

Name: Soldner Berlin
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - Berlin
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DHDN),`
	`  latitudeOfNaturalOrigin: new Degree(52.418648277778),`
	`  longitudeOfNaturalOrigin: new Degree(13.627203666667),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(10000)`
	`)`

DIBA15 Grid

```
Projected::fromSRID(Projected::EPSG_DIBA15_GRID)
```

to DIBA15-IRF (Geographic2D)

EPSG	PHPCoord

Name: DIBA15-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Didcot to Banbury
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DIBA15_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(51.85),`
	`  longitudeOfNaturalOrigin: new Degree(-1.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(511622.854),`
	`  falseNorthing: new Metre(324737.4633)`
	`)`

DRUKREF 03 / Bhutan National Grid

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_BHUTAN_NATIONAL_GRID)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Bhutan National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

DRUKREF 03 / Bumthang TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_BUMTHANG_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Bumthang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Bumthang district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Chhukha TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_CHHUKHA_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Chhukha TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Chhukha district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Dagana TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_DAGANA_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Dagana TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Dagana district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Gasa TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_GASA_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Gasa TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Gasa district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Ha TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_HA_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Ha TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Ha district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Lhuentse TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_LHUENTSE_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Lhuentse TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Lhuentse district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.133333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Mongar TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_MONGAR_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Mongar TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Mongar district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.233333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Paro TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_PARO_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Paro TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Paro district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Pemagatshel TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_PEMAGATSHEL_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Pemagatshel TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Pemagatshel district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Punakha TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_PUNAKHA_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Punakha TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Punakha district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Samdrup Jongkhar TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_SAMDRUP_JONGKHAR_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Samdrup Jongkhar TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Samdrup Jongkhar district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.566666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Samtse TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_SAMTSE_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Samtse TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Samtse district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Sarpang TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_SARPANG_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Sarpang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Sarpang district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.266666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Thimphu TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_THIMPHU_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Thimphu TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Thimphu district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(89.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Trashigang TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_TRASHIGANG_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Trashigang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Trashigang district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Trongsa TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_TRONGSA_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Trongsa TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Trongsa district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Tsirang TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_TSIRANG_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Tsirang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Tsirang district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Wangdue Phodrang TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_WANGDUE_PHODRANG_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Wangdue Phodrang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Wangdue Phodrang district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Yangtse TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_YANGTSE_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Yangtse TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Yangtse district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(91.566666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

DRUKREF 03 / Zhemgang TM

```
Projected::fromSRID(Projected::EPSG_DRUKREF_03_ZHEMGANG_TM)
```

to DRUKREF 03 (Geographic2D)

EPSG	PHPCoord

Name: Zhemgang TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bhutan - Zhemgang district
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DRUKREF_03),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90.866666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(-2500000)`
	`)`

Dabola 1981 / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_DABOLA_1981_UTM_ZONE_28N)
```

to Dabola 1981 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DABOLA_1981),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Dabola 1981 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_DABOLA_1981_UTM_ZONE_29N)
```

to Dabola 1981 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DABOLA_1981),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Datum 73 / Modified Portuguese Grid

```
Projected::fromSRID(Projected::EPSG_DATUM_73_MODIFIED_PORTUGUESE_GRID)
```

to Datum 73 (Geographic2D)

EPSG	PHPCoord

Name: Modified Portuguese Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DATUM_73),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1319061111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(180.598),`
	`  falseNorthing: new Metre(-86.99)`
	`)`

Datum 73 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_DATUM_73_UTM_ZONE_29N)`

to Datum 73 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DATUM_73),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Dealul Piscului 1930 / Stereo 33

`Projected::fromSRID(Projected::EPSG_DEALUL_PISCULUI_1930_STEREO_33)`

to Dealul Piscului 1930 (Geographic2D)

EPSG	PHPCoord

Name: Stereo 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DEALUL_PISCULUI_1930),`
	`  latitudeOfNaturalOrigin: new Degree(45.9),`
	`  longitudeOfNaturalOrigin: new Degree(25.392465888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Deir ez Zor / Levant Stereographic

```
Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_STEREOGRAPHIC)
```

to Deir ez Zor (Geographic2D)

EPSG	PHPCoord

Name: Levant Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Lebanon and Syria onshore
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR),`
	`  latitudeOfNaturalOrigin: new Grad(38),`
	`  longitudeOfNaturalOrigin: new Grad(43.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995341),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Deir ez Zor / Levant Zone

```
Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_LEVANT_ZONE)
```

to Deir ez Zor (Geographic2D)

EPSG	PHPCoord

Name: Levant Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Lebanon and Syria onshore
	`$point->lambertConicNearConformal(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR),`
	`  latitudeOfNaturalOrigin: new Degree(34.65),`
	`  longitudeOfNaturalOrigin: new Degree(37.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996256),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Deir ez Zor / Syria Lambert

```
Projected::fromSRID(Projected::EPSG_DEIR_EZ_ZOR_SYRIA_LAMBERT)
```

to Deir ez Zor (Geographic2D)

EPSG	PHPCoord

Name: Syria Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Lebanon and Syria onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DEIR_EZ_ZOR),`
	`  latitudeOfNaturalOrigin: new Degree(34.65),`
	`  longitudeOfNaturalOrigin: new Degree(37.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996256),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(300000)`
	`)`

DoPw22 Grid

```
Projected::fromSRID(Projected::EPSG_DOPW22_GRID)
```

to DoPw22-IRF (Geographic2D)

EPSG	PHPCoord

Name: DoPw22-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Dovey Junction to Pwllheli
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DOPW22_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.7),`
	`  longitudeOfNaturalOrigin: new Degree(-4.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64859.6557),`
	`  falseNorthing: new Metre(122266.5277)`
	`)`

Dominica 1945 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_DOMINICA_1945_BRITISH_WEST_INDIES_GRID)
```

to Dominica 1945 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DOMINICA_1945),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

Douala 1948 / AEF west

```
Projected::fromSRID(Projected::EPSG_DOUALA_1948_AEF_WEST)
```

to Douala 1948 (Geographic2D)

EPSG	PHPCoord

Name: French Equatorial Africa west zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - AEF 9°E to 14°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_DOUALA_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

EBBWV14 Grid

`Projected::fromSRID(Projected::EPSG_EBBWV14_GRID)`

to EBBWV14-IRF (Geographic2D)

EPSG	PHPCoord

Name: EBBWV14-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Newport to Ebbw Vale
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EBBWV14_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(51.75),`
	`  longitudeOfNaturalOrigin: new Degree(-3.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(106702.326),`
	`  falseNorthing: new Metre(119968.1395)`
	`)`

ECML14_NB Grid

`Projected::fromSRID(Projected::EPSG_ECML14_NB_GRID)`

to ECML14_NB-IRF (Geographic2D)

EPSG	PHPCoord

Name: ECML14_NB-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Newcastle to Ashington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ECML14_NB_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(55.05),`
	`  longitudeOfNaturalOrigin: new Degree(-1.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(112242.8512),`
	`  falseNorthing: new Metre(402313.7432)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_10)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 11

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_11)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 12

`Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_12)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 13

`Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_13)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 14

`Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_14)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 15

`Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_15)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / 3-degree Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_ED50_3_DEGREE_GAUSS_KRUGER_ZONE_9)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / Iraq National Grid

```
Projected::fromSRID(Projected::EPSG_ED50_IRAQ_NATIONAL_GRID)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Iraq National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(29.026268333333),`
	`  longitudeOfNaturalOrigin: new Degree(46.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9994),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / Jordan TM

`Projected::fromSRID(Projected::EPSG_ED50_JORDAN_TM)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Jordan Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jordan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(37),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-3000000)`
	`)`

ED50 / SPBA LCC

`Projected::fromSRID(Projected::EPSG_ED50_SPBA_LCC)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Southern Permian Basin Atlas Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - South Permian basin
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(52.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(54.333333333333),`
	`  eastingAtFalseOrigin: new Metre(815000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

ED50 / TM 0 N

`Projected::fromSRID(Projected::EPSG_ED50_TM_0_N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: TM 0 N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - offshore - North Sea
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM 5 NE

`Projected::fromSRID(Projected::EPSG_ED50_TM_5_NE)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: TM 5 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM 6 NE

`Projected::fromSRID(Projected::EPSG_ED50_TM_6_NE)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: TM 6 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3°E to 9°E - by country
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM27

`Projected::fromSRID(Projected::EPSG_ED50_TM27)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM30

```
Projected::fromSRID(Projected::EPSG_ED50_TM30)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM33

```
Projected::fromSRID(Projected::EPSG_ED50_TM33)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM36

`Projected::fromSRID(Projected::EPSG_ED50_TM36)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM39

`Projected::fromSRID(Projected::EPSG_ED50_TM39)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM42

`Projected::fromSRID(Projected::EPSG_ED50_TM42)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / TM45

`Projected::fromSRID(Projected::EPSG_ED50_TM45)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_28N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_29N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 30N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_30N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 31N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_31N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_32N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 33N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_33N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 34N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_34N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 35N

`Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_35N)`

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_36N)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 37N

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_37N)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50 / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_ED50_UTM_ZONE_38N)
```

to ED50 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50(ED77) / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_38N)
```

to ED50(ED77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50(ED77) / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_39N)`

to ED50(ED77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50_ED77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50(ED77) / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_40N)`

to ED50(ED77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ED50_ED77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ED50(ED77) / UTM zone 41N

`Projected::fromSRID(Projected::EPSG_ED50_ED77_UTM_ZONE_41N)`

to ED50(ED77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ED50_ED77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 10

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_10)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 18°E to 20°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 11

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_11)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 20°E to 22°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 12

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_12)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 22°E to 24°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 13

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_13)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - east of 24°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 5

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_5)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - west of 10°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 6

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_6)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 10°E to 12°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 7

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_7)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 12°E to 14°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 8

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_8)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 14°E to 16°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / Libya zone 9

`Projected::fromSRID(Projected::EPSG_ELD79_LIBYA_ZONE_9)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: Libya zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 16°E to 18°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / TM 12 NE

`Projected::fromSRID(Projected::EPSG_ELD79_TM_12_NE)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: TM 12 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - west of 15°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_32N)`

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_33N)
```

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_34N)
```

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ELD79 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_ELD79_UTM_ZONE_35N)
```

to ELD79 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ELD79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

EOS21 Grid

```
Projected::fromSRID(Projected::EPSG_EOS21_GRID)
```

to EOS21-IRF (Geographic2D)

EPSG	PHPCoord

Name: EOS21-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Tweedmouth to Aberdeen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EOS21_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(56.35),`
	`  longitudeOfNaturalOrigin: new Degree(-2.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(74996.927),`
	`  falseNorthing: new Metre(133508.35)`
	`)`

ETRF2000-PL / CS2000/15

`Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_15)`

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: Poland CS2000 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - west of 16.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRF2000-PL / CS2000/18

`Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_18)`

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: Poland CS2000 zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - 16.5°E to 19.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRF2000-PL / CS2000/21

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_21)
```

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: Poland CS2000 zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - 19.5°E to 22.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRF2000-PL / CS2000/24

```
Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS2000_24)
```

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: Poland CS2000 zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - east of 22.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999923),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRF2000-PL / CS92

`Projected::fromSRID(Projected::EPSG_ETRF2000_PL_CS92)`

to ETRF2000-PL (Geographic2D)

EPSG	PHPCoord

Name: Poland CS92
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRF2000_PL),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9993),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-5300000)`
	`)`

ETRS89 / Albania LCC 2010

`Projected::fromSRID(Projected::EPSG_ETRS89_ALBANIA_LCC_2010)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Albania LCC 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(20),`
	`  latitudeOf1stStandardParallel: new Degree(39),`
	`  latitudeOf2ndStandardParallel: new Degree(43),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

ETRS89 / Albania TM 2010

`Projected::fromSRID(Projected::EPSG_ETRS89_ALBANIA_TM_2010)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Albania TM 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Albania - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / Austria Lambert

`Projected::fromSRID(Projected::EPSG_ETRS89_AUSTRIA_LAMBERT)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Austria Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(47.5),`
	`  longitudeOfFalseOrigin: new Degree(13.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

ETRS89 / Belgian Lambert 2005

```
Projected::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2005)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Belgian Lambert 2005
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(50.797815),`
	`  longitudeOfFalseOrigin: new Degree(4.3592158333333),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(150328),`
	`  northingAtFalseOrigin: new Metre(166262)`
	`)`

ETRS89 / Belgian Lambert 2008

```
Projected::fromSRID(Projected::EPSG_ETRS89_BELGIAN_LAMBERT_2008)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Belgian Lambert 2008
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(50.797815),`
	`  longitudeOfFalseOrigin: new Degree(4.3592158333333),`
	`  latitudeOf1stStandardParallel: new Degree(49.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.166666666667),`
	`  eastingAtFalseOrigin: new Metre(649328),`
	`  northingAtFalseOrigin: new Metre(665262)`
	`)`

ETRS89 / DKTM1

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM1)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: DKTM1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland west of 10°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

ETRS89 / DKTM2

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM2)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: DKTM2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland east of 9°E and Funen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

ETRS89 / DKTM3

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM3)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: DKTM3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

ETRS89 / DKTM4

```
Projected::fromSRID(Projected::EPSG_ETRS89_DKTM4)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: DKTM4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

ETRS89 / EPSG Arctic zone 2-22

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_2_22)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 4°W to 36°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(16),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

ETRS89 / EPSG Arctic zone 3-11

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_3_11)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 4°W to 38°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(21),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(11500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

ETRS89 / EPSG Arctic zone 4-26

`Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_26)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 2°W to 22°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(26500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

ETRS89 / EPSG Arctic zone 4-28

`Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_4_28)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 22°E to 46°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(34),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(28500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

ETRS89 / EPSG Arctic zone 5-11

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_11)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 4°E to 24°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(14),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(11500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

ETRS89 / EPSG Arctic zone 5-13

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_13)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 24°E to 44°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(34),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(13500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

ETRS89 / EPSG Arctic zone 5-47

```
Projected::fromSRID(Projected::EPSG_ETRS89_EPSG_ARCTIC_ZONE_5_47)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 15°W to 5°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-5),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(47500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

ETRS89 / ETRS-GK19FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK19FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - west of 19.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK20FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK20FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 19.5°E to 20.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK21FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK21FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 20.5°E to 21.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK22FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK22FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 21.5°E to 22.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK23FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK23FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 22.5°E to 23.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK24FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK24FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 23.5°E to 24.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK25FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK25FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 24.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK26FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK26FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 25.5°E to 26.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK27FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK27FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 26.5°E to 27.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK28FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK28FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 27.5°E to 28.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK29FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK29FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 28.5°E to 29.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK30FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK30FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 29.5°E to 30.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / ETRS-GK31FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_ETRS_GK31FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland ETRS-GK31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - east of 30.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / Faroe Lambert

```
Projected::fromSRID(Projected::EPSG_ETRS89_FAROE_LAMBERT)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Faroe Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(62),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

ETRS89 / Faroe TM

```
Projected::fromSRID(Projected::EPSG_ETRS89_FAROE_TM)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Faroe Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-7),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999997),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-6000000)`
	`)`

ETRS89 / GK19FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_GK19FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - west of 19.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK20FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_GK20FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 19.5°E to 20.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK21FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK21FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 20.5°E to 21.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK22FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK22FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 21.5°E to 22.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK23FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_GK23FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 22.5°E to 23.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK24FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_GK24FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 23.5°E to 24.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK25FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_GK25FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 24.5°E to 25.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK26FIN

`Projected::fromSRID(Projected::EPSG_ETRS89_GK26FIN)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 25.5°E to 26.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK27FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK27FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 26.5°E to 27.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK28FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK28FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 27.5°E to 28.5°E onshore nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK29FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK29FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 28.5°E to 29.5°E nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK30FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK30FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 29.5°E to 30.5°E nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / GK31FIN

```
Projected::fromSRID(Projected::EPSG_ETRS89_GK31FIN)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Finland Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - east of 30.5°E nominal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / Gauss-Kruger CM 9E

```
Projected::fromSRID(Projected::EPSG_ETRS89_GAUSS_KRUGER_CM_9E)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 9E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / Guernsey Grid

`Projected::fromSRID(Projected::EPSG_ETRS89_GUERNSEY_GRID)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Guernsey Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Channel Islands - Guernsey, Alderney, Sark
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(49.5),`
	`  longitudeOfNaturalOrigin: new Degree(-2.4166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999997),`
	`  falseEasting: new Metre(47000),`
	`  falseNorthing: new Metre(50000)`
	`)`

ETRS89 / Jersey Transverse Mercator

`Projected::fromSRID(Projected::EPSG_ETRS89_JERSEY_TRANSVERSE_MERCATOR)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Jersey Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Channel Islands - Jersey, Les Ecrehos and Les Minquiers
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(49.225),`
	`  longitudeOfNaturalOrigin: new Degree(-2.135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999999),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(70000)`
	`)`

ETRS89 / Kp2000 Bornholm

```
Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_BORNHOLM)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Kp2000 Bornholm
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / Kp2000 Jutland

```
Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_JUTLAND)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Kp2000 Jylland og Fyn
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland and Funen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / Kp2000 Zealand

`Projected::fromSRID(Projected::EPSG_ETRS89_KP2000_ZEALAND)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Kp2000 Sjaelland
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / LCC Germany (E-N)

`Projected::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_E_N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: LCC Germany
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(10.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(53.666666666667),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

ETRS89 / LCC Germany (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_LCC_GERMANY_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: LCC Germany
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(10.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(53.666666666667),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

ETRS89 / NTM zone 10

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_10)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 10°E to 11°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(10.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 11

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_11)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 11°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(11.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 12

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_12)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 12°E to 13°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(12.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 13

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_13)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 13°E to 14°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(13.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 14

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_14)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 14°E to 15°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(14.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 15

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_15)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 15°E to 16°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(15.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 16

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_16)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 16°E to 17°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(16.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 17

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_17)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 17°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(17.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 18

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_18)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 18°E to 19°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(18.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 19

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_19)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 19°E to 20°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(19.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 20

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_20)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 20°E to 21°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(20.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 21

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_21)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 21°E to 22°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(21.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 22

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_22)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 22°E to 23°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(22.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 23

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_23)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 23°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(23.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 24

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_24)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 24°E to 25°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(24.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 25

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_25)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 25°E to 26°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(25.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 26

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_26)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 26°E to 27°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(26.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 27

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_27)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 27°E to 28°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(27.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 28

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_28)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 28°E to 29°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(28.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 29

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_29)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 29°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(29.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 30

```
Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_30)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - east of 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(30.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 5

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_5)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - west of 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(5.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 6

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_6)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 6°E to 7°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(6.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 7

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_7)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 7°E to 8°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(7.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 8

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_8)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 8°E to 9°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(8.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / NTM zone 9

`Projected::fromSRID(Projected::EPSG_ETRS89_NTM_ZONE_9)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Norway TM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore - 9°E to 10°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(9.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

ETRS89 / Portugal TM06

`Projected::fromSRID(Projected::EPSG_ETRS89_PORTUGAL_TM06)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Portugal TM06
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(39.668258333333),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1331083333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / TM 30 NE

```
Projected::fromSRID(Projected::EPSG_ETRS89_TM_30_NE)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: TM 30 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / TM Baltic93

```
Projected::fromSRID(Projected::EPSG_ETRS89_TM_BALTIC93)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: TM Baltic 93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Estonia; Latvia; Lithuania
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / TM35FIN(E,N)

`Projected::fromSRID(Projected::EPSG_ETRS89_TM35FIN_E_N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: TM35FIN
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / TM35FIN(N,E)

`Projected::fromSRID(Projected::EPSG_ETRS89_TM35FIN_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: TM35FIN
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 28N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_28N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_29N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 29N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_29N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 30N (N-E)

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_30N_N_E)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 31N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 31N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 31N (N-zE)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_N_ZE)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 31N (zE-N)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_31N_ZE_N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 32N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 32N (N-zE)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_N_ZE)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 32N (zE-N)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_32N_ZE_N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 33N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 33N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 33N (N-zE)

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_N_ZE)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 33N (zE-N)

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_33N_ZE_N)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 34N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 34N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_34N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_35N)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 35N (N-E)

```
Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_35N_N_E)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 36N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 36N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_36N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89 / UTM zone 37N (N-E)

`Projected::fromSRID(Projected::EPSG_ETRS89_UTM_ZONE_37N_N_E)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89-extended / LAEA Europe

`Projected::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LAEA_EUROPE)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

ETRS89-extended / LCC Europe

`Projected::fromSRID(Projected::EPSG_ETRS89_EXTENDED_LCC_EUROPE)`

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

ETRS89/DREF91/2016 / 3-degree Gauss-Kruger zone 3

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_3_DEGREE_GAUSS_KRUGER_ZONE_3)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 31N

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 31N (N-zE)

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N_N_ZE)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 31N (zE-N)

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_31N_ZE_N)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - west of 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 32N (N-zE)

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N_N_ZE)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 32N (zE-N)

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_32N_ZE_N)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 33N

`Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N)`

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 33N (N-zE)

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_N_ZE)
```

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ETRS89/DREF91/2016 / UTM zone 33N (zE-N)

```
Projected::fromSRID(Projected::EPSG_ETRS89_DREF91_2016_UTM_ZONE_33N_ZE_N)
```

to ETRS89/DREF91/2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N with prefix
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - east of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89_DREF91_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

EWR2 Grid

```
Projected::fromSRID(Projected::EPSG_EWR2_GRID)
```

to EWR2-IRF (Geographic2D)

EPSG	PHPCoord

Name: EWR2-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Oxford to Bedford
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EWR2_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(51.95),`
	`  longitudeOfNaturalOrigin: new Degree(-0.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(192519.9715),`
	`  falseNorthing: new Metre(146942.6806)`
	`)`

Egypt 1907 / Blue Belt

```
Projected::fromSRID(Projected::EPSG_EGYPT_1907_BLUE_BELT)
```

to Egypt 1907 (Geographic2D)

EPSG	PHPCoord

Name: Egypt Blue Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - east of 33°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EGYPT_1907),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(1100000)`
	`)`

Egypt 1907 / Extended Purple Belt

`Projected::fromSRID(Projected::EPSG_EGYPT_1907_EXTENDED_PURPLE_BELT)`

to Egypt 1907 (Geographic2D)

EPSG	PHPCoord

Name: Egypt Extended Purple Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - west of 29°E; south of 28°11'N
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EGYPT_1907),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(1200000)`
	`)`

Egypt 1907 / Purple Belt

`Projected::fromSRID(Projected::EPSG_EGYPT_1907_PURPLE_BELT)`

to Egypt 1907 (Geographic2D)

EPSG	PHPCoord

Name: Egypt Purple Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - west of 29°E; north of 28°11'N
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EGYPT_1907),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(200000)`
	`)`

Egypt 1907 / Red Belt

`Projected::fromSRID(Projected::EPSG_EGYPT_1907_RED_BELT)`

to Egypt 1907 (Geographic2D)

EPSG	PHPCoord

Name: Egypt Red Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - 29°E to 33°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EGYPT_1907),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(615000),`
	`  falseNorthing: new Metre(810000)`
	`)`

Egypt Gulf of Suez S-650 TL / Red Belt

`Projected::fromSRID(Projected::EPSG_EGYPT_GULF_OF_SUEZ_S_650_TL_RED_BELT)`

to Egypt Gulf of Suez S-650 TL (Geographic2D)

EPSG	PHPCoord

Name: Egypt Red Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Egypt - 29°E to 33°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪EGYPT_GULF_OF_SUEZ_S_650_TL),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(615000),`
	`  falseNorthing: new Metre(810000)`
	`)`

Estonian Coordinate System of 1992

```
Projected::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1992)
```

to EST92 (Geographic2D)

EPSG	PHPCoord

Name: Estonian National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EST92),`
	`  latitudeOfFalseOrigin: new Degree(57.517553930556),`
	`  longitudeOfFalseOrigin: new Degree(24),`
	`  latitudeOf1stStandardParallel: new Degree(59.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(58),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(6375000)`
	`)`

Estonian Coordinate System of 1997

```
Projected::fromSRID(Projected::EPSG_ESTONIAN_COORDINATE_SYSTEM_OF_1997)
```

to EST97 (Geographic2D)

EPSG	PHPCoord

Name: Estonian National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_EST97),`
	`  latitudeOfFalseOrigin: new Degree(57.517553930556),`
	`  longitudeOfFalseOrigin: new Degree(24),`
	`  latitudeOf1stStandardParallel: new Degree(59.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(58),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(6375000)`
	`)`

FD54 / Faroe Lambert

```
Projected::fromSRID(Projected::EPSG_FD54_FAROE_LAMBERT)
```

to FD54 (Geographic2D)

EPSG	PHPCoord

Name: Faroe Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FD54),`
	`  latitudeOfNaturalOrigin: new Degree(62),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

FD54 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_FD54_UTM_ZONE_29N)
```

to FD54 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FD54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

FD58 / Iraq zone

`Projected::fromSRID(Projected::EPSG_FD58_IRAQ_ZONE)`

to FD58 (Geographic2D)

EPSG	PHPCoord

Name: Iraq zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq zone
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FD58),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9987864078),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(1166200)`
	`)`

FEH2010 / Fehmarnbelt TM

`Projected::fromSRID(Projected::EPSG_FEH2010_FEHMARNBELT_TM)`

to FEH2010 (Geographic2D)

EPSG	PHPCoord

Name: Fehmarnbelt TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Fehmarnbelt outer
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FEH2010),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10000000),`
	`  falseNorthing: new Metre(0)`
	`)`

FNL22 Grid

```
Projected::fromSRID(Projected::EPSG_FNL22_GRID)
```

to FNL22-IRF (Geographic2D)

EPSG	PHPCoord

Name: FNL22-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Inverness to Thurso
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FNL22_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(-3.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(139618.9493),`
	`  falseNorthing: new Metre(183110.794)`
	`)`

Fahud / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_39N)
```

to Fahud (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FAHUD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Fahud / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_FAHUD_UTM_ZONE_40N)
```

to Fahud (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FAHUD),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Fatu Iva 72 / UTM zone 7S

```
Projected::fromSRID(Projected::EPSG_FATU_IVA_72_UTM_ZONE_7S)
```

to Fatu Iva 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FATU_IVA_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Fiji 1956 / UTM zone 1S

```
Projected::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_1S)
```

to Fiji 1956 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1956),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Fiji 1956 / UTM zone 60S

```
Projected::fromSRID(Projected::EPSG_FIJI_1956_UTM_ZONE_60S)
```

to Fiji 1956 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1956),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Fiji 1986 / Fiji Map Grid

`Projected::fromSRID(Projected::EPSG_FIJI_1986_FIJI_MAP_GRID)`

to Fiji 1986 (Geographic2D)

EPSG	PHPCoord

Name: Fiji Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FIJI_1986),`
	`  latitudeOfNaturalOrigin: new Degree(-17),`
	`  longitudeOfNaturalOrigin: new Degree(178.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99985),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

Fort Marigot / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_FORT_MARIGOT_UTM_ZONE_20N)`

to Fort Marigot (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_FORT_MARIGOT),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GBK19 Grid

```
Projected::fromSRID(Projected::EPSG_GBK19_GRID)
```

to GBK19-IRF (Geographic2D)

EPSG	PHPCoord

Name: GBK19-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Glasgow to Kilmarnock
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GBK19_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(55.75),`
	`  longitudeOfNaturalOrigin: new Degree(-4.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(93720.394),`
	`  falseNorthing: new Metre(113870.493)`
	`)`

GDA2020 / ALB2020

```
Projected::fromSRID(Projected::EPSG_GDA2020_ALB2020)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Albany Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Albany
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000044),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4100000)`
	`)`

GDA2020 / Australian Albers

```
Projected::fromSRID(Projected::EPSG_GDA2020_AUSTRALIAN_ALBERS)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Australian Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(132),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

GDA2020 / BCG2020

```
Projected::fromSRID(Projected::EPSG_GDA2020_BCG2020)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Busselton Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Busselton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.43333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999592),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

GDA2020 / BCSG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_BCSG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Brisbane City Survey Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Brisbane
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(-28),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(200000)`
	`)`

GDA2020 / BIO2020

`Projected::fromSRID(Projected::EPSG_GDA2020_BIO2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Barrow Island Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Barrow
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000022),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(2700000)`
	`)`

GDA2020 / BRO2020

`Projected::fromSRID(Projected::EPSG_GDA2020_BRO2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Broome Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Broome
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000298),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2300000)`
	`)`

GDA2020 / CARN2020

`Projected::fromSRID(Projected::EPSG_GDA2020_CARN2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Carnarvon Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Carnarvon
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(113.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999796),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3050000)`
	`)`

GDA2020 / CIG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_CIG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Christmas Island Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Christmas Island - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002514),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1400000)`
	`)`

GDA2020 / CKIG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_CKIG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Cocos Island Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999387),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1600000)`
	`)`

GDA2020 / COL2020

`Projected::fromSRID(Projected::EPSG_GDA2020_COL2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Collie Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Collie
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(4100000)`
	`)`

GDA2020 / ESP2020

`Projected::fromSRID(Projected::EPSG_GDA2020_ESP2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Esperance Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Esperance
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4050000)`
	`)`

GDA2020 / EXM2020

`Projected::fromSRID(Projected::EPSG_GDA2020_EXM2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Exmouth Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Exmouth
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.06666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000236),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2750000)`
	`)`

GDA2020 / GA LCC

`Projected::fromSRID(Projected::EPSG_GDA2020_GA_LCC)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Geoscience Australia Standard National Scale Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(134),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

GDA2020 / GCG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_GCG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Geraldton Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Geraldton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000628),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3450000)`
	`)`

GDA2020 / GOLD2020

`Projected::fromSRID(Projected::EPSG_GDA2020_GOLD2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Goldfields Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalgoorlie
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004949),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(3800000)`
	`)`

GDA2020 / JCG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_JCG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Jurien Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Jurien Bay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.98333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000314),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3650000)`
	`)`

GDA2020 / KALB2020

`Projected::fromSRID(Projected::EPSG_GDA2020_KALB2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Kalbarri Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalbarri
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.31527777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new Metre(55000),`
	`  falseNorthing: new Metre(3700000)`
	`)`

GDA2020 / KAR2020

`Projected::fromSRID(Projected::EPSG_GDA2020_KAR2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Karratha Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Karratha
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(116.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999989),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2550000)`
	`)`

GDA2020 / KUN2020

`Projected::fromSRID(Projected::EPSG_GDA2020_KUN2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Kununurra Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kununurra
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(128.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000165),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2100000)`
	`)`

GDA2020 / LCG2020

```
Projected::fromSRID(Projected::EPSG_GDA2020_LCG2020)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Lancelin Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Lancelin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.36666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000157),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3750000)`
	`)`

GDA2020 / MGA zone 46

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_46)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - west of 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 47

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_47)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - east of 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 48

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_48)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - west of 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 49

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_49)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 50

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_50)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 51

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_51)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 52

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_52)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 53

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_53)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 54

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_54)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 55

`Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_55)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 56

`Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_56)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 57

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_57)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 156°E to 162°E including Macquarie
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 58

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_58)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Norfolk Island - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MGA zone 59

```
Projected::fromSRID(Projected::EPSG_GDA2020_MGA_ZONE_59)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norfolk Island - east of 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA2020 / MRCG2020

```
Projected::fromSRID(Projected::EPSG_GDA2020_MRCG2020)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Margaret River Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Margaret River
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4050000)`
	`)`

GDA2020 / NSW Lambert

`Projected::fromSRID(Projected::EPSG_GDA2020_NSW_LAMBERT)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: New South Wales Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - New South Wales
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfFalseOrigin: new Degree(-33.25),`
	`  longitudeOfFalseOrigin: new Degree(147),`
	`  latitudeOf1stStandardParallel: new Degree(-30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(-35.75),`
	`  eastingAtFalseOrigin: new Metre(9300000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

GDA2020 / PCG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_PCG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Perth Coastal Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Perth
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.81666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999906),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3900000)`
	`)`

GDA2020 / PHG2020

`Projected::fromSRID(Projected::EPSG_GDA2020_PHG2020)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Port Hedland Grid 2020
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Port Hedland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(118.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000135),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2500000)`
	`)`

GDA2020 / SA Lambert

`Projected::fromSRID(Projected::EPSG_GDA2020_SA_LAMBERT)`

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: South Australia Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - SA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfFalseOrigin: new Degree(-32),`
	`  longitudeOfFalseOrigin: new Degree(135),`
	`  latitudeOf1stStandardParallel: new Degree(-28),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

GDA2020 / Vicgrid

```
Projected::fromSRID(Projected::EPSG_GDA2020_VICGRID)
```

to GDA2020 (Geographic2D)

EPSG	PHPCoord

Name: Vicgrid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Victoria
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),`
	`  latitudeOfFalseOrigin: new Degree(-37),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(-36),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

GDA94 / ALB94

```
Projected::fromSRID(Projected::EPSG_GDA94_ALB94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Albany Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Albany
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000044),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

GDA94 / Australian Albers

`Projected::fromSRID(Projected::EPSG_GDA94_AUSTRALIAN_ALBERS)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Australian Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(132),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

GDA94 / BCG94

`Projected::fromSRID(Projected::EPSG_GDA94_BCG94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Busselton Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Busselton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.43333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999592),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3900000)`
	`)`

GDA94 / BCSG02

`Projected::fromSRID(Projected::EPSG_GDA94_BCSG02)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Brisbane City Survey Grid 02
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Brisbane
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(-28),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(100000)`
	`)`

GDA94 / BIO94

`Projected::fromSRID(Projected::EPSG_GDA94_BIO94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Barrow Island Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Barrow
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000022),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(26000000)`
	`)`

GDA94 / BRO94

```
Projected::fromSRID(Projected::EPSG_GDA94_BRO94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Broome Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Broome
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000298),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2200000)`
	`)`

GDA94 / CARN94

```
Projected::fromSRID(Projected::EPSG_GDA94_CARN94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Carnarvon Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Carnarvon
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(113.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999796),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2950000)`
	`)`

GDA94 / CIG94

```
Projected::fromSRID(Projected::EPSG_GDA94_CIG94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Christmas Island Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Christmas Island - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002514),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

GDA94 / CKIG94

```
Projected::fromSRID(Projected::EPSG_GDA94_CKIG94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Cocos Island Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999387),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1500000)`
	`)`

GDA94 / COL94

`Projected::fromSRID(Projected::EPSG_GDA94_COL94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Collie Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Collie
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

GDA94 / ESP94

`Projected::fromSRID(Projected::EPSG_GDA94_ESP94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Esperance Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Esperance
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.88333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3950000)`
	`)`

GDA94 / EXM94

`Projected::fromSRID(Projected::EPSG_GDA94_EXM94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Exmouth Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Exmouth
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.06666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000236),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2650000)`
	`)`

GDA94 / GCG94

`Projected::fromSRID(Projected::EPSG_GDA94_GCG94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Geraldton Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Geraldton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000628),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3350000)`
	`)`

GDA94 / GOLD94

`Projected::fromSRID(Projected::EPSG_GDA94_GOLD94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Goldfields Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalgoorlie
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004949),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(3700000)`
	`)`

GDA94 / Geoscience Australia Lambert

`Projected::fromSRID(Projected::EPSG_GDA94_GEOSCIENCE_AUSTRALIA_LAMBERT)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Geoscience Australia Standard National Scale Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(134),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

GDA94 / JCG94

`Projected::fromSRID(Projected::EPSG_GDA94_JCG94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Jurien Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Jurien Bay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.98333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000314),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3550000)`
	`)`

GDA94 / KALB94

`Projected::fromSRID(Projected::EPSG_GDA94_KALB94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Kalbarri Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kalbarri
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114.31527777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new Metre(55000),`
	`  falseNorthing: new Metre(3600000)`
	`)`

GDA94 / KAR94

`Projected::fromSRID(Projected::EPSG_GDA94_KAR94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Karratha Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Karratha
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(116.93333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999989),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2450000)`
	`)`

GDA94 / KUN94

`Projected::fromSRID(Projected::EPSG_GDA94_KUN94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Kununurra Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Kununurra
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(128.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000165),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

GDA94 / LCG94

`Projected::fromSRID(Projected::EPSG_GDA94_LCG94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Lancelin Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Lancelin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.36666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000157),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3650000)`
	`)`

GDA94 / MGA zone 46

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_46)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - west of 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 47

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_47)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - east of 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 48

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_48)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - west of 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 49

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_49)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Christmas Island - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 50

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_50)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 51

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_51)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 52

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_52)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 53

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_53)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 54

`Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_54)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 55

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_55)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 56

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_56)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 57

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_57)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - 156°E to 162°E including Macquarie
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 58

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_58)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australasia - Australia and Norfolk Island - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MGA zone 59

```
Projected::fromSRID(Projected::EPSG_GDA94_MGA_ZONE_59)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Map Grid of Australia zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norfolk Island - east of 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

GDA94 / MRCG94

```
Projected::fromSRID(Projected::EPSG_GDA94_MRCG94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Margaret River Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Margaret River
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000055),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3950000)`
	`)`

GDA94 / NSW Lambert

`Projected::fromSRID(Projected::EPSG_GDA94_NSW_LAMBERT)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: New South Wales Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - New South Wales
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfFalseOrigin: new Degree(-33.25),`
	`  longitudeOfFalseOrigin: new Degree(147),`
	`  latitudeOf1stStandardParallel: new Degree(-30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(-35.75),`
	`  eastingAtFalseOrigin: new Metre(9300000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

GDA94 / PCG94

`Projected::fromSRID(Projected::EPSG_GDA94_PCG94)`

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Perth Coastal Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Perth
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(115.81666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999906),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(3800000)`
	`)`

GDA94 / PHG94

```
Projected::fromSRID(Projected::EPSG_GDA94_PHG94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Port Hedland Grid 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Western Australia - Port Hedland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(118.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000135),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(2400000)`
	`)`

GDA94 / SA Lambert

```
Projected::fromSRID(Projected::EPSG_GDA94_SA_LAMBERT)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: South Australia Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - SA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfFalseOrigin: new Degree(-32),`
	`  longitudeOfFalseOrigin: new Degree(135),`
	`  latitudeOf1stStandardParallel: new Degree(-28),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

GDA94 / Vicgrid

```
Projected::fromSRID(Projected::EPSG_GDA94_VICGRID)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: Vicgrid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Victoria
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfFalseOrigin: new Degree(-37),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(-36),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

GDA94 / WEIPA94

```
Projected::fromSRID(Projected::EPSG_GDA94_WEIPA94)
```

to GDA94 (Geographic2D)

EPSG	PHPCoord

Name: WEIPA94
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - Queensland - Weipa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDA94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999929),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

GDBD2009 / Brunei BRSO

```
Projected::fromSRID(Projected::EPSG_GDBD2009_BRUNEI_BRSO)
```

to GDBD2009 (Geographic2D)

EPSG	PHPCoord

Name: Borneo RSO
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDBD2009),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.31580995),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

GDM2000 / East Malaysia BRSO

```
Projected::fromSRID(Projected::EPSG_GDM2000_EAST_MALAYSIA_BRSO)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Borneo RSO
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.31580995),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

GDM2000 / Johor Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_JOHOR_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Johor Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Johor
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(2.1216797444444),`
	`  longitudeOfNaturalOrigin: new Degree(103.42793623611),`
	`  falseEasting: new Metre(-14810.562),`
	`  falseNorthing: new Metre(8758.32)`
	`)`

GDM2000 / Kedah and Perlis Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_KEDAH_AND_PERLIS_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Kedah and Perlis Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kedah and Perlis
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(5.9646727138889),`
	`  longitudeOfNaturalOrigin: new Degree(100.63637111111),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

GDM2000 / Kelantan Grid

`Projected::fromSRID(Projected::EPSG_GDM2000_KELANTAN_GRID)`

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Kelantan Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kelantan
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(5.9725436583333),`
	`  longitudeOfNaturalOrigin: new Degree(102.29524166944),`
	`  falseEasting: new Metre(13227.851),`
	`  falseNorthing: new Metre(8739.894)`
	`)`

GDM2000 / Pahang Grid

`Projected::fromSRID(Projected::EPSG_GDM2000_PAHANG_GRID)`

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Pahang Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pahang
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(3.7693880888889),`
	`  longitudeOfNaturalOrigin: new Degree(102.36829898333),`
	`  falseEasting: new Metre(-7368.228),`
	`  falseNorthing: new Metre(6485.858)`
	`)`

GDM2000 / Peninsula RSO

```
Projected::fromSRID(Projected::EPSG_GDM2000_PENINSULA_RSO)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Peninsular RSO
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(102.25),`
	`  azimuthOfInitialLine: new Degree(323.02579646667),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(804671),`
	`  falseNorthing: new Metre(0)`
	`)`

GDM2000 / Perak Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_PERAK_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Perak Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Perak
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(4.8590630222222),`
	`  longitudeOfNaturalOrigin: new Degree(100.81541058611),`
	`  falseEasting: new Metre(-1.769),`
	`  falseNorthing: new Metre(133454.779)`
	`)`

GDM2000 / Pinang Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_PINANG_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Pinang Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pulau Pinang
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(5.4215175416667),`
	`  longitudeOfNaturalOrigin: new Degree(100.34437696389),`
	`  falseEasting: new Metre(-23.414),`
	`  falseNorthing: new Metre(62.283)`
	`)`

GDM2000 / Selangor Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_SELANGOR_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Selangor Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Selangor
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(3.68464905),`
	`  longitudeOfNaturalOrigin: new Degree(101.38910791389),`
	`  falseEasting: new Metre(-34836.161),`
	`  falseNorthing: new Metre(56464.049)`
	`)`

GDM2000 / Sembilan and Melaka Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_SEMBILAN_AND_MELAKA_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Sembilan and Melaka Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Sembilan and Melaka
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(2.6823476361111),`
	`  longitudeOfNaturalOrigin: new Degree(101.97490504167),`
	`  falseEasting: new Metre(3673.785),`
	`  falseNorthing: new Metre(-4240.573)`
	`)`

GDM2000 / Terengganu Grid

```
Projected::fromSRID(Projected::EPSG_GDM2000_TERENGGANU_GRID)
```

to GDM2000 (Geographic2D)

EPSG	PHPCoord

Name: Terengganu Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Terengganu
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GDM2000),`
	`  latitudeOfNaturalOrigin: new Degree(4.9762852),`
	`  longitudeOfNaturalOrigin: new Degree(103.070275625),`
	`  falseEasting: new Metre(19594.245),`
	`  falseNorthing: new Metre(3371.895)`
	`)`

GGRS87 / Greek Grid

```
Projected::fromSRID(Projected::EPSG_GGRS87_GREEK_GRID)
```

to GGRS87 (Geographic2D)

EPSG	PHPCoord

Name: Greek Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greece - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GGRS87),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / EPSG Arctic zone 1-25

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_1_25)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 60°W to 0°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(-30),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(25500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

GR96 / EPSG Arctic zone 2-18

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_18)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 72°W to 32°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-52),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(18500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

GR96 / EPSG Arctic zone 2-20

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_2_20)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 32°W to 8°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-12),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

GR96 / EPSG Arctic zone 3-29

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_29)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 84°W to 54°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-69),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

GR96 / EPSG Arctic zone 3-31

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_31)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 54°W to 24°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

GR96 / EPSG Arctic zone 3-33

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_3_33)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 24°W to 3°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-10),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(33500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

GR96 / EPSG Arctic zone 4-20

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_20)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 76°W to 51°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(-64),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

GR96 / EPSG Arctic zone 4-22

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_22)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 51°W to 26°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

GR96 / EPSG Arctic zone 4-24

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_4_24)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 26°W to 2°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-14),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(24500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

GR96 / EPSG Arctic zone 5-41

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_41)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 72°W to 52°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-62),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(41500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

GR96 / EPSG Arctic zone 5-43

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_43)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 52°W to 32°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-42),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(43500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

GR96 / EPSG Arctic zone 5-45

`Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_5_45)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 32°W to 12°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-22),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(45500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

GR96 / EPSG Arctic zone 6-26

`Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_26)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 65°W to 47°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-56),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(26500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

GR96 / EPSG Arctic zone 6-28

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_28)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 47°W to 29°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-38),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(28500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

GR96 / EPSG Arctic zone 6-30

```
Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_6_30)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 29°W to 11°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-20),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(30500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

GR96 / EPSG Arctic zone 7-11

`Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_11)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 7-11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 67°50'N to 62°50'N, 59°W to 42°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(65.351039305556),`
	`  longitudeOfFalseOrigin: new Degree(-51),`
	`  latitudeOf1stStandardParallel: new Degree(67),`
	`  latitudeOf2ndStandardParallel: new Degree(63.666666666667),`
	`  eastingAtFalseOrigin: new Metre(11500000),`
	`  northingAtFalseOrigin: new Metre(7500000)`
	`)`

GR96 / EPSG Arctic zone 7-13

`Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_7_13)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 7-13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 67°50'N to 62°50'N, 42°W to 25°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(65.351039305556),`
	`  longitudeOfFalseOrigin: new Degree(-34),`
	`  latitudeOf1stStandardParallel: new Degree(67),`
	`  latitudeOf2ndStandardParallel: new Degree(63.666666666667),`
	`  eastingAtFalseOrigin: new Metre(13500000),`
	`  northingAtFalseOrigin: new Metre(7500000)`
	`)`

GR96 / EPSG Arctic zone 8-20

`Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_20)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 8-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 64°30'N to 59°30'N, 59°W to 44°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(62.015306888889),`
	`  longitudeOfFalseOrigin: new Degree(-52),`
	`  latitudeOf1stStandardParallel: new Degree(63.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(60.333333333333),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(8500000)`
	`)`

GR96 / EPSG Arctic zone 8-22

`Projected::fromSRID(Projected::EPSG_GR96_EPSG_ARCTIC_ZONE_8_22)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 8-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 64°30'N to 59°30'N, 44°W to 29°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GR96),`
	`  latitudeOfFalseOrigin: new Degree(62.015306888889),`
	`  longitudeOfFalseOrigin: new Degree(-37),`
	`  latitudeOf1stStandardParallel: new Degree(63.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(60.333333333333),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(8500000)`
	`)`

GR96 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_18N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_19N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_20N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_21N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 22N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_22N)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 23N

```
Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_23N)
```

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 24N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_24N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 25N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_25N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 26N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_26N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_27N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_28N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GR96 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_GR96_UTM_ZONE_29N)`

to GR96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GR96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GS reconstruction east-orientated

`Projected::fromSRID(Projected::EPSG_GS_RECONSTRUCTION_EAST_ORIENTATED)`

to GS-IRF (Geographic2D)

EPSG	PHPCoord

Name: Generalstabens System LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GS_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(56),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(55),`
	`  longitudeOfFalseOrigin: new Degree(10.37775),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

GSB reconstruction east-orientated

`Projected::fromSRID(Projected::EPSG_GSB_RECONSTRUCTION_EAST_ORIENTATED)`

to GSB-IRF (Geographic2D)

EPSG	PHPCoord

Name: GSB-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSB_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(56),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(55),`
	`  longitudeOfFalseOrigin: new Degree(14.92775),`
	`  eastingAtFalseOrigin: new Metre(-18831.46),`
	`  northingAtFalseOrigin: new Metre(5614.621)`
	`)`

GSK-2011 / GSK 3GK CM 102E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_102E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 100.5°E to 103.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 105E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_105E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 103.5°E to 106.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 108E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_108E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 106.5°E to 109.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 111E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_111E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 109.5°E to 112.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 114E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_114E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 112.5°E to 115.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 117E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_117E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 115.5°E to 118.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 120E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_120E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 118.5°E to 121.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 123E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_123E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 121.5°E to 124.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 126E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_126E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 124.5°E to 127.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 129E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_129E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 127.5°E to 130.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 132E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_132E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 130.5°E to 133.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 135E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_135E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 133.5°E to 136.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 138E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_138E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 138E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 136.5°E to 139.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 141E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_141E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 139.5°E to 142.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 144E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_144E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 144E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 142.5°E to 145.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 147E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_147E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 145.5°E to 148.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 150E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_150E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 150E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 148.5°E to 151.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 153E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_153E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 151.5°E to 154.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 156E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_156E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 156E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 154.5°E to 157.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 159E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_159E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 157.5°E to 160.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 162E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_162E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 162E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 160.5°E to 163.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 165E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_165E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 163.5°E to 166.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 168E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_168E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 168E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 166.5°E to 169.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 168W

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_168W)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 168W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - east of 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 171E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_171E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 169.5°E to 172.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 171W

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_171W)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°W to 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 174E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_174E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 174E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°E to 175.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 174W

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_174W)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 174W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°W to 172.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 177E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_177E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°E to 178.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 177W

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_177W)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°W to 175.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 180E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_180E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 180E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°E to 178.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 21E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_21E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 24E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_24E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 24E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 22.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 27E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_27E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 25.5°E to 28.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 30E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_30E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 28.5°E to 31.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 33E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_33E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 31.5°E to 34.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 36E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_36E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 34.5°E to 37.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 39E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_39E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 37.5°E to 40.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 42E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_42E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 40.5°E to 43.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 45E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_45E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 43.5°E to 46.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 48E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_48E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 48E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 46.5°E to 49.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 51E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_51E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 49.5°E to 52.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 54E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_54E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 54E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 52.5°E to 55.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 57E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_57E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 55.5°E to 58.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 60E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_60E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 60E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 58.5°E to 61.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 63E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_63E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 61.5°E to 64.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 66E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_66E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 66E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 64.5°E to 67.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 69E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_69E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 67.5°E to 70.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 72E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_72E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 72E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 70.5°E to 73.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 75E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_75E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 73.5°E to 76.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 78E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_78E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 76.5°E to 79.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 81E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_81E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 79.5°E to 82.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 84E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_84E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 82.5°E to 85.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 87E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_87E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 85.5°E to 88.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 90E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_90E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 88.5°E to 91.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 93E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_93E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 91.5°E to 94.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 96E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_96E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 94.5°E to 97.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK CM 99E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_CM_99E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 97.5°E to 100.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 10

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_10)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 11

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_11)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 31.5°E to 34.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 12

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_12)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 34.5°E to 37.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 13

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_13)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 37.5°E to 40.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 14

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_14)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 40.5°E to 43.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 15

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_15)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 43.5°E to 46.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 16

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_16)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 46.5°E to 49.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 17

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_17)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 49.5°E to 52.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 18

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_18)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 52.5°E to 55.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 19

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_19)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 55.5°E to 58.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 20

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_20)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 58.5°E to 61.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 21

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_21)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 063°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 22

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_22)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 64.5°E to 67.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 23

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_23)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 67.5°E to 70.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 24

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_24)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 70.5°E to 73.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 25

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_25)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 73.5°E to 76.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 26

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_26)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 76.5°E to 79.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 27

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_27)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 79.5°E to 82.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 28

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_28)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 82.5°E to 85.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 29

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_29)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 85.5°E to 88.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 30

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_30)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 88.5°E to 91.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 31

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_31)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 91.5°E to 94.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 32

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_32)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 94.5°E to 97.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 33

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_33)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 97.5°E to 100.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 34

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_34)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 100.5°E to 103.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 35

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_35)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 103.5°E to 106.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 36

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_36)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 106.5°E to 109.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 37

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_37)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 109.5°E to 112.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 38

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_38)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 112.5°E to 115.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 39

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_39)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 115.5°E to 118.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 40

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_40)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 118.5°E to 121.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 41

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_41)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 121.5°E to 124.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 42

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_42)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 124.5°E to 127.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 43

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_43)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 127.5°E to 130.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 44

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_44)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 130.5°E to 133.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 45

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_45)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 133.5°E to 136.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 46

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_46)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 136.5°E to 139.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(46250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 47

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_47)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 139.5°E to 142.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(47250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 48

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_48)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 142.5°E to 145.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(48250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 49

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_49)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 145.5°E to 148.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 50

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_50)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 148.5°E to 151.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 51

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_51)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 151.5°E to 154.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(51250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 52

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_52)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 154.5°E to 157.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(52250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 53

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_53)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 157.5°E to 160.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(53250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 54

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_54)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 160.5°E to 163.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(54250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 55

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_55)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 163.5°E to 166.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(55250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 56

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_56)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 166.5°E to 169.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 57

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_57)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 169.5°E to 172.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(57250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 58

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_58)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°E to 175.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(58250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 59

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_59)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°E to 178.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(59250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 60

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_60)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°E to 178.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(60250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 61

`Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_61)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 61
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 178.5°W to 175.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(61250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 62

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_62)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 62
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 175.5°W to 172.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(62250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 63

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_63)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 63
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 172.5°W to 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(63250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 64

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_64)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 64
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - east of 169.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 7

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_7)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 8

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_8)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 22.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / GSK 3GK zone 9

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GSK_3GK_ZONE_9)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: GSK 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Russia - 25.5°E to 28.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9250000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_105E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_111E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 117E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_117E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 123E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_123E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_129E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 135E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_135E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 141E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_141E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 147E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_147E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 153E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_153E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 159E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_159E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 165E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_165E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 171E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 171W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_171W)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 177E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 177W

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_177W)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 21E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_21E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 27E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_27E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 33E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_33E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 39E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_39E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 45E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_45E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 51E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_51E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 57E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_57E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 63E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_63E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 69E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_69E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 75E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_75E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 81E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_81E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 87E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_87E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_93E)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_CM_99E)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 10

`Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_10)`

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 11

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_11)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 12

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_12)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_13)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_14)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_15)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 16

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_16)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 17

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_17)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_18)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_19)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_20)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_21)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_22)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_23)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 24

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_24)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 25

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_25)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_26)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 27

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_27)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_28)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_29)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 30

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_30)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 31

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_31)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_32)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_4)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_5)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 6

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_6)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 7

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_7)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 8

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_8)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GSK-2011 / Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_GSK_2011_GAUSS_KRUGER_ZONE_9)
```

to GSK-2011 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GSK_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

GWPBS22 Grid

```
Projected::fromSRID(Projected::EPSG_GWPBS22_GRID)
```

to GWPBS22-IRF (Geographic2D)

EPSG	PHPCoord

Name: GW22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Fishguard
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GWPBS22_IRF),`
	`  latitudeOfFalseOrigin: new Degree(51.65),`
	`  longitudeOfFalseOrigin: new Degree(-2.65),`
	`  latitudeOf1stStandardParallel: new Degree(51.4),`
	`  latitudeOf2ndStandardParallel: new Degree(51.9),`
	`  eastingAtFalseOrigin: new Metre(168854.016),`
	`  northingAtFalseOrigin: new Metre(193447.117)`
	`)`

GWWAB22 Grid

```
Projected::fromSRID(Projected::EPSG_GWWAB22_GRID)
```

to GWWAB22-IRF (Geographic2D)

EPSG	PHPCoord

Name: GW22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Fishguard
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GWWAB22_IRF),`
	`  latitudeOfFalseOrigin: new Degree(51.65),`
	`  longitudeOfFalseOrigin: new Degree(-2.65),`
	`  latitudeOf1stStandardParallel: new Degree(51.4),`
	`  latitudeOf2ndStandardParallel: new Degree(51.9),`
	`  eastingAtFalseOrigin: new Metre(168854.016),`
	`  northingAtFalseOrigin: new Metre(193447.117)`
	`)`

GWWWA22 Grid

`Projected::fromSRID(Projected::EPSG_GWWWA22_GRID)`

to GWWWA22-IRF (Geographic2D)

EPSG	PHPCoord

Name: GW22-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Fishguard
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GWWWA22_IRF),`
	`  latitudeOfFalseOrigin: new Degree(51.65),`
	`  longitudeOfFalseOrigin: new Degree(-2.65),`
	`  latitudeOf1stStandardParallel: new Degree(51.4),`
	`  latitudeOf2ndStandardParallel: new Degree(51.9),`
	`  eastingAtFalseOrigin: new Metre(168854.016),`
	`  northingAtFalseOrigin: new Metre(193447.117)`
	`)`

Garoua / UTM zone 33N

`Projected::fromSRID(Projected::EPSG_GAROUA_UTM_ZONE_33N)`

to Garoua (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GAROUA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Grand Cayman National Grid 1959

`Projected::fromSRID(Projected::EPSG_GRAND_CAYMAN_NATIONAL_GRID_1959)`

to GCGD59 (Geographic2D)

EPSG	PHPCoord

Name: Cayman Islands TM (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GCGD59),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Foot(1640419.9475),`
	`  falseNorthing: new Foot(0)`
	`)`

Grand Comoros / UTM zone 38S

`Projected::fromSRID(Projected::EPSG_GRAND_COMOROS_UTM_ZONE_38S)`

to Grand Comoros (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GRAND_COMOROS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Grenada 1953 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_GRENADA_1953_BRITISH_WEST_INDIES_GRID)
```

to Grenada 1953 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GRENADA_1953),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

Guadeloupe 1948 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_GUADELOUPE_1948_UTM_ZONE_20N)
```

to Guadeloupe 1948 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GUADELOUPE_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Guam 1963 / Guam SPCS

`Projected::fromSRID(Projected::EPSG_GUAM_1963_GUAM_SPCS)`

to Guam 1963 (Geographic2D)

EPSG	PHPCoord

Name: Guam SPCS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->guamProjection(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GUAM_1963),`
	`  latitudeOfNaturalOrigin: new Degree(13.472466352778),`
	`  longitudeOfNaturalOrigin: new Degree(144.74875070556),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(50000)`
	`)`

Guam 1963 / Yap Islands

`Projected::fromSRID(Projected::EPSG_GUAM_1963_YAP_ISLANDS)`

to Guam 1963 (Geographic2D)

EPSG	PHPCoord

Name: Yap Islands
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Micronesia - Yap Islands
	`$point->modifiedAzimuthalEquidistant(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GUAM_1963),`
	`  latitudeOfNaturalOrigin: new Degree(9.5467083333333),`
	`  longitudeOfNaturalOrigin: new Degree(138.16874444444),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(60000)`
	`)`

Gulshan 303 / Bangladesh Transverse Mercator

`Projected::fromSRID(Projected::EPSG_GULSHAN_303_BANGLADESH_TRANSVERSE_MERCATOR)`

to Gulshan 303 (Geographic2D)

EPSG	PHPCoord

Name: Bangladesh Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GULSHAN_303),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-2000000)`
	`)`

Gulshan 303 / TM 90 NE

`Projected::fromSRID(Projected::EPSG_GULSHAN_303_TM_90_NE)`

to Gulshan 303 (Geographic2D)

EPSG	PHPCoord

Name: TM 90 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh, Bangladesh - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GULSHAN_303),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Gusterberg Grid (Ferro)

```
Projected::fromSRID(Projected::EPSG_GUSTERBERG_GRID_FERRO)
```

to Gusterberg (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Gusterberg Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Upper Austria, Salzburg and Bohemia
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_GUSTERBERG_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(48.038463888889),`
	`  longitudeOfNaturalOrigin: new Degree(31.8041805555556),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

HD72 / EOV

```
Projected::fromSRID(Projected::EPSG_HD72_EOV)
```

to HD72 (Geographic2D)

EPSG	PHPCoord

Name: Egyseges Orszagos Vetuleti
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HD72),`
	`  latitudeOfProjectionCentre: new Degree(47.144393722222),`
	`  longitudeOfProjectionCentre: new Degree(19.048571777778),`
	`  azimuthOfInitialLine: new Degree(90),`
	`  angleFromRectifiedToSkewGrid: new Degree(90),`
	`  scaleFactorOnInitialLine: new Unity(0.99993),`
	`  eastingAtProjectionCentre: new Metre(650000),`
	`  northingAtProjectionCentre: new Metre(200000)`
	`)`

HS2 Survey Grid

```
Projected::fromSRID(Projected::EPSG_HS2_SURVEY_GRID)
```

to HS2-IRF (Geographic2D)

EPSG	PHPCoord

Name: HS2-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Birmingham and Crewe
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HS2_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.3),`
	`  longitudeOfNaturalOrigin: new Degree(-1.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(198873.0046),`
	`  falseNorthing: new Metre(375064.3871)`
	`)`

HTRS96 / Croatia LCC

```
Projected::fromSRID(Projected::EPSG_HTRS96_CROATIA_LCC)
```

to HTRS96 (Geographic2D)

EPSG	PHPCoord

Name: Croatia Lambert Conformal Conic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HTRS96),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(16.5),`
	`  latitudeOf1stStandardParallel: new Degree(45.916666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.083333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

HTRS96 / Croatia TM

```
Projected::fromSRID(Projected::EPSG_HTRS96_CROATIA_TM)
```

to HTRS96 (Geographic2D)

EPSG	PHPCoord

Name: Croatia Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HTRS96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

HTRS96 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_33N)
```

to HTRS96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HTRS96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

HTRS96 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_HTRS96_UTM_ZONE_34N)
```

to HTRS96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HTRS96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

HULLEE13 Grid

```
Projected::fromSRID(Projected::EPSG_HULLEE13_GRID)
```

to HULLEE13-IRF (Geographic2D)

EPSG	PHPCoord

Name: HULLEE13-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Leeds to Hull
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HULLEE13_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(53.75),`
	`  longitudeOfNaturalOrigin: new Degree(-0.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(140859.7394),`
	`  falseNorthing: new Metre(247512.2812)`
	`)`

Hanoi 1972 / GK 106 NE

`Projected::fromSRID(Projected::EPSG_HANOI_1972_GK_106_NE)`

to Hanoi 1972 (Geographic2D)

EPSG	PHPCoord

Name: GK 106 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - onshore Vung Tau area
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HANOI_1972),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hanoi 1972 / Gauss-Kruger zone 18

`Projected::fromSRID(Projected::EPSG_HANOI_1972_GAUSS_KRUGER_ZONE_18)`

to Hanoi 1972 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HANOI_1972),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hanoi 1972 / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_HANOI_1972_GAUSS_KRUGER_ZONE_19)
```

to Hanoi 1972 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HANOI_1972),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo15

```
Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO15)
```

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - Walvis Bay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo17

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO17)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - west of 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo19

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO19)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 18°E to 20°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo21

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO21)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 20°E to 22°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo23

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO23)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 22°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo25

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO25)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 24°E to 26°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo27

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO27)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 26°E to 28°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo29

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO29)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 28°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(29),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo31

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO31)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - 30°E to 32°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / Lo33

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_LO33)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South African Survey Grid zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - east of 32°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Hartebeesthoek94 / ZAF BSU Albers 25E

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_ZAF_BSU_ALBERS_25E)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South Africa Basic Survey Unit Albers 25E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - mainland - onshore and offshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HARTEBEESTHOEK94),`
	`  latitudeOfFalseOrigin: new Degree(-30),`
	`  longitudeOfFalseOrigin: new Degree(25),`
	`  latitudeOf1stStandardParallel: new Degree(-22),`
	`  latitudeOf2ndStandardParallel: new Degree(-38),`
	`  eastingAtFalseOrigin: new Metre(1400000),`
	`  northingAtFalseOrigin: new Metre(1300000)`
	`)`

Hartebeesthoek94 / ZAF BSU Albers 44E

`Projected::fromSRID(Projected::EPSG_HARTEBEESTHOEK94_ZAF_BSU_ALBERS_44E)`

to Hartebeesthoek94 (Geographic2D)

EPSG	PHPCoord

Name: South Africa Basic Survey Unit Albers 44E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - Prince Edward islands - onshore and offshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HARTEBEESTHOEK94),`
	`  latitudeOfFalseOrigin: new Degree(-42),`
	`  longitudeOfFalseOrigin: new Degree(44),`
	`  latitudeOf1stStandardParallel: new Degree(-34),`
	`  latitudeOf2ndStandardParallel: new Degree(-50),`
	`  eastingAtFalseOrigin: new Metre(1200000),`
	`  northingAtFalseOrigin: new Metre(1300000)`
	`)`

Helle 1954 / Jan Mayen Grid

`Projected::fromSRID(Projected::EPSG_HELLE_1954_JAN_MAYEN_GRID)`

to Helle 1954 (Geographic2D)

EPSG	PHPCoord

Name: Jan Mayen Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jan Mayen - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HELLE_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-8.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(-7800000)`
	`)`

Hito XVIII 1963 / Argentina 2

`Projected::fromSRID(Projected::EPSG_HITO_XVIII_1963_ARGENTINA_2)`

to Hito XVIII 1963 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hito XVIII 1963 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_HITO_XVIII_1963_UTM_ZONE_19S)`

to Hito XVIII 1963 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HITO_XVIII_1963),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Hjorsey 1955 / Lambert 1955

```
Projected::fromSRID(Projected::EPSG_HJORSEY_1955_LAMBERT_1955)
```

to Hjorsey 1955 (Geographic2D)

EPSG	PHPCoord

Name: Iceland Lambert 1955
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HJORSEY_1955),`
	`  latitudeOfNaturalOrigin: new Degree(65),`
	`  longitudeOfNaturalOrigin: new Degree(-18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Hjorsey 1955 / UTM zone 26N

```
Projected::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_26N)
```

to Hjorsey 1955 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HJORSEY_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hjorsey 1955 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_27N)`

to Hjorsey 1955 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HJORSEY_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hjorsey 1955 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_HJORSEY_1955_UTM_ZONE_28N)`

to Hjorsey 1955 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HJORSEY_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Hong Kong 1963 Grid System

```
Projected::fromSRID(Projected::EPSG_HONG_KONG_1963_GRID_SYSTEM)
```

to Hong Kong 1963 (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong 1963 Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1963),`
	`  latitudeOfNaturalOrigin: new Degree(22.312133333333),`
	`  longitudeOfNaturalOrigin: new Degree(114.17855555556),`
	`  falseEasting: new ClarkeFoot(132033.92),`
	`  falseNorthing: new ClarkeFoot(62565.96)`
	`)`

Hong Kong 1980 Grid System

```
Projected::fromSRID(Projected::EPSG_HONG_KONG_1980_GRID_SYSTEM)
```

to Hong Kong 1980 (Geographic2D)

EPSG	PHPCoord

Name: Hong Kong 1980 Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HONG_KONG_1980),`
	`  latitudeOfNaturalOrigin: new Degree(22.312133333333),`
	`  longitudeOfNaturalOrigin: new Degree(114.17855555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(836694.05),`
	`  falseNorthing: new Metre(819069.8)`
	`)`

Hu Tzu Shan 1950 / UTM zone 51N

`Projected::fromSRID(Projected::EPSG_HU_TZU_SHAN_1950_UTM_ZONE_51N)`

to Hu Tzu Shan 1950 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_HU_TZU_SHAN_1950),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 46N

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_46N)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47N)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 47S

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_47S)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48N)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 48S

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_48S)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 49N

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49N)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 49S

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_49S)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 50N

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50N)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 50S

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_50S)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 51N

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51N)
```

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 51S

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_51S)
```

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 52N

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52N)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ID74 / UTM zone 52S

`Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_52S)`

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 53S

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_53S)
```

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ID74 / UTM zone 54S

```
Projected::fromSRID(Projected::EPSG_ID74_UTM_ZONE_54S)
```

to ID74 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ID74),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 12

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_12)
```

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 11°E to 13°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 14

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_14)
```

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 13°E to 15°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 16

`Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_16)`

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 15°E to 17°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 18

`Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_18)`

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 17°E to 19°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 20

`Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_20)`

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 19°E to 21°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 22

`Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_22)`

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 21°E to 23°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 24

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_24)
```

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 23°E to 25°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 26

```
Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_26)
```

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 25°E to 27°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 28

`Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_28)`

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 27°E to 29°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGC 1962 / Congo TM zone 30

`Projected::fromSRID(Projected::EPSG_IGC_1962_CONGO_TM_ZONE_30)`

to IGC 1962 6th Parallel South (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - east of 29°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGC_1962_6TH_PARALLEL_SOUTH),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGCB 1955 / Congo TM zone 12

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_12)
```

to IGCB 1955 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 11°E to 13°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGCB_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGCB 1955 / Congo TM zone 14

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_14)
```

to IGCB 1955 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 13°E to 15°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGCB_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGCB 1955 / Congo TM zone 16

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_CONGO_TM_ZONE_16)
```

to IGCB 1955 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 15°E to 17°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGCB_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGCB 1955 / UTM zone 33S

```
Projected::fromSRID(Projected::EPSG_IGCB_1955_UTM_ZONE_33S)
```

to IGCB 1955 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGCB_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGM95 / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_32N)
```

to IGM95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGM95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGM95 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_33N)
```

to IGM95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGM95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGM95 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_IGM95_UTM_ZONE_34N)
```

to IGM95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGM95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGN 1962 Kerguelen / UTM zone 42S

```
Projected::fromSRID(Projected::EPSG_IGN_1962_KERGUELEN_UTM_ZONE_42S)
```

to IGN 1962 Kerguelen (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN_1962_KERGUELEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN Astro 1960 / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_28N)
```

to IGN Astro 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGN Astro 1960 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_29N)
```

to IGN Astro 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGN Astro 1960 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_IGN_ASTRO_1960_UTM_ZONE_30N)
```

to IGN Astro 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN_ASTRO_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGN53 Mare / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_IGN53_MARE_UTM_ZONE_58S)
```

to IGN53 Mare (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN53_MARE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN53 Mare / UTM zone 59S

```
Projected::fromSRID(Projected::EPSG_IGN53_MARE_UTM_ZONE_59S)
```

to IGN53 Mare (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN53_MARE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN56 Lifou / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_IGN56_LIFOU_UTM_ZONE_58S)
```

to IGN56 Lifou (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN56_LIFOU),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN63 Hiva Oa / UTM zone 7S

`Projected::fromSRID(Projected::EPSG_IGN63_HIVA_OA_UTM_ZONE_7S)`

to IGN63 Hiva Oa (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN63_HIVA_OA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN72 Grande Terre / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_IGN72_GRANDE_TERRE_UTM_ZONE_58S)`

to IGN72 Grande Terre (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_GRANDE_TERRE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGN72 Nuku Hiva / UTM zone 7S

`Projected::fromSRID(Projected::EPSG_IGN72_NUKU_HIVA_UTM_ZONE_7S)`

to IGN72 Nuku Hiva (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGN72_NUKU_HIVA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

IGRS / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_37N)`

to IGRS (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGRS / UTM zone 38N

`Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_38N)`

to IGRS (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IGRS / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_IGRS_UTM_ZONE_39N)`

to IGRS (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IGRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

IRENET95 / Irish Transverse Mercator

```
Projected::fromSRID(Projected::EPSG_IRENET95_IRISH_TRANSVERSE_MERCATOR)
```

to IRENET95 (Geographic2D)

EPSG	PHPCoord

Name: Irish Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IRENET95),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99982),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(750000)`
	`)`

IRENET95 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_IRENET95_UTM_ZONE_29N)
```

to IRENET95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IRENET95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ISN2004 / LAEA Europe

`Projected::fromSRID(Projected::EPSG_ISN2004_LAEA_EUROPE)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

ISN2004 / LAEA Iceland

`Projected::fromSRID(Projected::EPSG_ISN2004_LAEA_ICELAND)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: Iceland Lambert Azimuthal Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004),`
	`  latitudeOfNaturalOrigin: new Degree(65),`
	`  longitudeOfNaturalOrigin: new Degree(-19),`
	`  falseEasting: new Metre(1700000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

ISN2004 / LCC Europe

`Projected::fromSRID(Projected::EPSG_ISN2004_LCC_EUROPE)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

ISN2004 / Lambert 2004

`Projected::fromSRID(Projected::EPSG_ISN2004_LAMBERT_2004)`

to ISN2004 (Geographic2D)

EPSG	PHPCoord

Name: Iceland Lambert 2004
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2004),`
	`  latitudeOfFalseOrigin: new Degree(65),`
	`  longitudeOfFalseOrigin: new Degree(-19),`
	`  latitudeOf1stStandardParallel: new Degree(64.25),`
	`  latitudeOf2ndStandardParallel: new Degree(65.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(300000)`
	`)`

ISN2016 / LAEA Europe

`Projected::fromSRID(Projected::EPSG_ISN2016_LAEA_EUROPE)`

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

ISN2016 / LCC Europe

`Projected::fromSRID(Projected::EPSG_ISN2016_LCC_EUROPE)`

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

ISN2016 / Lambert 2016

```
Projected::fromSRID(Projected::EPSG_ISN2016_LAMBERT_2016)
```

to ISN2016 (Geographic2D)

EPSG	PHPCoord

Name: Iceland Lambert 2016
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN2016),`
	`  latitudeOfFalseOrigin: new Degree(65),`
	`  longitudeOfFalseOrigin: new Degree(-19),`
	`  latitudeOf1stStandardParallel: new Degree(64.25),`
	`  latitudeOf2ndStandardParallel: new Degree(65.75),`
	`  eastingAtFalseOrigin: new Metre(2700000),`
	`  northingAtFalseOrigin: new Metre(300000)`
	`)`

ISN93 / Lambert 1993

```
Projected::fromSRID(Projected::EPSG_ISN93_LAMBERT_1993)
```

to ISN93 (Geographic2D)

EPSG	PHPCoord

Name: Iceland Lambert 1993
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISN93),`
	`  latitudeOfFalseOrigin: new Degree(65),`
	`  longitudeOfFalseOrigin: new Degree(-19),`
	`  latitudeOf1stStandardParallel: new Degree(64.25),`
	`  latitudeOf2ndStandardParallel: new Degree(65.75),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

Indian 1954 / UTM zone 46N

`Projected::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_46N)`

to Indian 1954 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1954 / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_47N)`

to Indian 1954 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1954 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_INDIAN_1954_UTM_ZONE_48N)`

to Indian 1954 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1954),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1960 / TM 106 NE

`Projected::fromSRID(Projected::EPSG_INDIAN_1960_TM_106_NE)`

to Indian 1960 (Geographic2D)

EPSG	PHPCoord

Name: TM 106 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - offshore Cuu Long basin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1960 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_INDIAN_1960_UTM_ZONE_48N)`

to Indian 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1960 / UTM zone 49N

`Projected::fromSRID(Projected::EPSG_INDIAN_1960_UTM_ZONE_49N)`

to Indian 1960 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1960),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1975 / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_INDIAN_1975_UTM_ZONE_47N)`

to Indian 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Indian 1975 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_INDIAN_1975_UTM_ZONE_48N)`

to Indian 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_INDIAN_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Israel 1993 / Israeli TM Grid

```
Projected::fromSRID(Projected::EPSG_ISRAEL_1993_ISRAELI_TM_GRID)
```

to Israel 1993 (Geographic2D)

EPSG	PHPCoord

Name: Israeli TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ISRAEL_1993),`
	`  latitudeOfNaturalOrigin: new Degree(31.734393611111),`
	`  longitudeOfNaturalOrigin: new Degree(35.204516944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000067),`
	`  falseEasting: new Metre(219529.584),`
	`  falseNorthing: new Metre(626907.39)`
	`)`

Israeli Grid 05

```
Projected::fromSRID(Projected::EPSG_ISRAELI_GRID_05)
```

to IG05 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: Israeli TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_INTERMEDIATE_CRS),`
	`  latitudeOfNaturalOrigin: new Degree(31.734393611111),`
	`  longitudeOfNaturalOrigin: new Degree(35.204516944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000067),`
	`  falseEasting: new Metre(219529.584),`
	`  falseNorthing: new Metre(626907.39)`
	`)`

Israeli Grid 05/12

```
Projected::fromSRID(Projected::EPSG_ISRAELI_GRID_05_12)
```

to IG05/12 Intermediate CRS (Geographic2D)

EPSG	PHPCoord

Name: Israeli TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_IG05_12_INTERMEDIATE_CRS),`
	`  latitudeOfNaturalOrigin: new Degree(31.734393611111),`
	`  longitudeOfNaturalOrigin: new Degree(35.204516944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000067),`
	`  falseEasting: new Metre(219529.584),`
	`  falseNorthing: new Metre(626907.39)`
	`)`

JAD2001 / Jamaica Metric Grid

```
Projected::fromSRID(Projected::EPSG_JAD2001_JAMAICA_METRIC_GRID)
```

to JAD2001 (Geographic2D)

EPSG	PHPCoord

Name: Jamaica Metric Grid 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JAD2001),`
	`  latitudeOfNaturalOrigin: new Degree(18),`
	`  longitudeOfNaturalOrigin: new Degree(-77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(650000)`
	`)`

JAD2001 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_17N)`

to JAD2001 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JAD2001),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JAD2001 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_JAD2001_UTM_ZONE_18N)`

to JAD2001 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪JAD2001),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JAD69 / Jamaica National Grid

```
Projected::fromSRID(Projected::EPSG_JAD69_JAMAICA_NATIONAL_GRID)
```

to JAD69 (Geographic2D)

EPSG	PHPCoord

Name: Jamaica National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JAD69),`
	`  latitudeOfNaturalOrigin: new Degree(18),`
	`  longitudeOfNaturalOrigin: new Degree(-77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(150000)`
	`)`

JGD2000 / Japan Plane Rectangular CS I

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_I)
```

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone I
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(129.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS II

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_II)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone II
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS III

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_III)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone III
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(132.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS IV

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_IV)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS IX

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_IX)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IX
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(139.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS V

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_V)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(134.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS VI

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VI)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS VII

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VII)
```

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(137.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS VIII

```
Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_VIII)
```

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(138.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS X

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_X)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone X
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone X
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(140.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XI

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XI)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(140.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XII

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XII)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(142.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XIII

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIII)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(144.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XIV

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIV)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XIX

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XIX)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XV

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XV)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XVI

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVI)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(124),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XVII

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVII)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / Japan Plane Rectangular CS XVIII

`Projected::fromSRID(Projected::EPSG_JGD2000_JAPAN_PLANE_RECTANGULAR_CS_XVIII)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(20),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / UTM zone 51N

`Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_51N)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / UTM zone 52N

`Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_52N)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / UTM zone 53N

`Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_53N)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / UTM zone 54N

`Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_54N)`

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2000 / UTM zone 55N

```
Projected::fromSRID(Projected::EPSG_JGD2000_UTM_ZONE_55N)
```

to JGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS I

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_I)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone I
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(129.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS II

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_II)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone II
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS III

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_III)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone III
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(132.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS IV

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IV)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS IX

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_IX)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IX
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(139.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS V

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_V)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(134.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS VI

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VI)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS VII

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VII)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(137.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS VIII

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_VIII)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(138.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS X

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_X)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone X
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone X
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(140.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XI

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XI)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(140.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XII

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XII)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(142.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XIII

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIII)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(144.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XIV

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIV)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XIX

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XIX)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XV

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XV)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XVI

`Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVI)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(124),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XVII

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVII)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / Japan Plane Rectangular CS XVIII

```
Projected::fromSRID(Projected::EPSG_JGD2011_JAPAN_PLANE_RECTANGULAR_CS_XVIII)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(20),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / UTM zone 51N

`Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_51N)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / UTM zone 52N

`Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_52N)`

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / UTM zone 53N

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_53N)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / UTM zone 54N

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_54N)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

JGD2011 / UTM zone 55N

```
Projected::fromSRID(Projected::EPSG_JGD2011_UTM_ZONE_55N)
```

to JGD2011 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JGD2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Jamaica 1875 / Jamaica (Old Grid)

```
Projected::fromSRID(Projected::EPSG_JAMAICA_1875_JAMAICA_OLD_GRID)
```

to Jamaica 1875 (Geographic2D)

EPSG	PHPCoord

Name: Jamaica (Old Grid)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Jamaica - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_JAMAICA_1875),`
	`  latitudeOfNaturalOrigin: new Degree(18),`
	`  longitudeOfNaturalOrigin: new Degree(-77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new ClarkeFoot(550000),`
	`  falseNorthing: new ClarkeFoot(400000)`
	`)`

KGD2002 / Central Belt

`Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT)`

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 126°E to 128°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

KGD2002 / Central Belt 2010

`Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_2010)`

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea Central Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

KGD2002 / Central Belt Jeju

```
Projected::fromSRID(Projected::EPSG_KGD2002_CENTRAL_BELT_JEJU)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea Central Belt Jeju
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E Jeju
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(550000)`
	`)`

KGD2002 / East Belt

```
Projected::fromSRID(Projected::EPSG_KGD2002_EAST_BELT)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 128°E to 130°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

KGD2002 / East Belt 2010

`Projected::fromSRID(Projected::EPSG_KGD2002_EAST_BELT_2010)`

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 128°E to 130°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

KGD2002 / East Sea Belt

`Projected::fromSRID(Projected::EPSG_KGD2002_EAST_SEA_BELT)`

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - east of 130°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

KGD2002 / East Sea Belt 2010

```
Projected::fromSRID(Projected::EPSG_KGD2002_EAST_SEA_BELT_2010)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Sea Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 130°E to 132°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

KGD2002 / Unified CS

```
Projected::fromSRID(Projected::EPSG_KGD2002_UNIFIED_CS)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea Unified Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea)
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

KGD2002 / West Belt

```
Projected::fromSRID(Projected::EPSG_KGD2002_WEST_BELT)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - west of 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

KGD2002 / West Belt 2010

```
Projected::fromSRID(Projected::EPSG_KGD2002_WEST_BELT_2010)
```

to KGD2002 (Geographic2D)

EPSG	PHPCoord

Name: Korea West Belt 2010
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 124°E to 126°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KGD2002),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(600000)`
	`)`

KK reconstruction east-orientated

`Projected::fromSRID(Projected::EPSG_KK_RECONSTRUCTION_EAST_ORIENTATED)`

to KK-IRF (Geographic2D)

EPSG	PHPCoord

Name: Generalstabens System LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KK_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(56),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(55),`
	`  longitudeOfFalseOrigin: new Degree(10.37775),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

KKJ / Finland Uniform Coordinate System

`Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_UNIFORM_COORDINATE_SYSTEM)`

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: Finland Uniform Coordinate System
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 25.5°E to 28.5°E onshore, Finland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KKJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KKJ / Finland zone 0

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_0)
```

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: Finland zone 0
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - west of 19.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KKJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KKJ / Finland zone 1

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_1)
```

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: Finland zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 19.5°E to 22.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KKJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KKJ / Finland zone 2

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_2)
```

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: Finland zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 22.5°E to 25.5°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KKJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KKJ / Finland zone 4

```
Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_4)
```

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: Finland zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - 28.5°E to 31.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KKJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KKJ / Finland zone 5

`Projected::fromSRID(Projected::EPSG_KKJ_FINLAND_ZONE_5)`

to KKJ (Geographic2D)

EPSG	PHPCoord

Name: Finland zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - east of 31.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KKJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KOC Lambert

`Projected::fromSRID(Projected::EPSG_KOC_LAMBERT)`

to KOC (Geographic2D)

EPSG	PHPCoord

Name: Iraq zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq zone
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOC),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9987864078),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(1166200)`
	`)`

KOSOVAREF01 / Balkans zone 7

```
Projected::fromSRID(Projected::EPSG_KOSOVAREF01_BALKANS_ZONE_7)
```

to KOSOVAREF01 (Geographic2D)

EPSG	PHPCoord

Name: Balkans zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia, Europe - former Yugoslavia onshore 19.5°E to 22.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOSOVAREF01),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KSA-GRF17 / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_36N)
```

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KSA-GRF17 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_37N)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KSA-GRF17 / UTM zone 38N

`Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_38N)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KSA-GRF17 / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_39N)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KSA-GRF17 / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_KSA_GRF17_UTM_ZONE_40N)`

to KSA-GRF17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KSA_GRF17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

KUDAMS / KTM

`Projected::fromSRID(Projected::EPSG_KUDAMS_KTM)`

to KUDAMS (Geographic2D)

EPSG	PHPCoord

Name: Kuwait Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - Kuwait City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KUDAMS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1880 / India zone 0

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_0)`

to Kalianpur 1880 (Geographic2D)

EPSG	PHPCoord

Name: India zone 0
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - north of 35°35'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880),`
	`  latitudeOfNaturalOrigin: new Degree(39.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99846154),`
	`  falseEasting: new IndianYard(2355500),`
	`  falseNorthing: new IndianYard(2590000)`
	`)`

Kalianpur 1880 / India zone I

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_I)`

to Kalianpur 1880 (Geographic2D)

EPSG	PHPCoord

Name: India zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - India; Pakistan - 28°N to 35°35'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

Kalianpur 1880 / India zone IIIa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIIA)`

to Kalianpur 1880 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIIa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore 15°N to 21°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880),`
	`  latitudeOfNaturalOrigin: new Degree(19),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

Kalianpur 1880 / India zone IIa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIA)`

to Kalianpur 1880 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - India; Pakistan - onshore 21°N to 28°N and west of 82°E
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

Kalianpur 1880 / India zone IIb

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IIB)`

to Kalianpur 1880 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIb
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Bangladesh; India; Myanmar; Pakistan - zone IIb
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

Kalianpur 1880 / India zone IVa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1880_INDIA_ZONE_IVA)`

to Kalianpur 1880 (Geographic2D)

EPSG	PHPCoord

Name: India zone IVa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - mainland south of 15°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1880),`
	`  latitudeOfNaturalOrigin: new Degree(12),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new IndianYard(3000000),`
	`  falseNorthing: new IndianYard(1000000)`
	`)`

Kalianpur 1937 / India zone IIb

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_INDIA_ZONE_IIB)`

to Kalianpur 1937 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIb (1937 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1937),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743185.69),`
	`  falseNorthing: new Metre(914395.23)`
	`)`

Kalianpur 1937 / UTM zone 45N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_45N)`

to Kalianpur 1937 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1937),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1937 / UTM zone 46N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1937_UTM_ZONE_46N)`

to Kalianpur 1937 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1937),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1962 / India zone I

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_I)`

to Kalianpur 1962 (Geographic2D)

EPSG	PHPCoord

Name: India zone I (1962 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - 28°N to 35°35'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743196.4),`
	`  falseNorthing: new Metre(914398.8)`
	`)`

Kalianpur 1962 / India zone IIa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_INDIA_ZONE_IIA)`

to Kalianpur 1962 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIa (1962 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pakistan - onshore south of 28°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743196.4),`
	`  falseNorthing: new Metre(914398.8)`
	`)`

Kalianpur 1962 / UTM zone 41N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_41N)`

to Kalianpur 1962 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1962 / UTM zone 42N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_42N)`

to Kalianpur 1962 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1962 / UTM zone 43N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1962_UTM_ZONE_43N)
```

to Kalianpur 1962 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1962),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1975 / India zone I

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_I)
```

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: India zone I (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - north of 28°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(68),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

Kalianpur 1975 / India zone IIIa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIIA)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIIa (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore 15°N to 21°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(19),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

Kalianpur 1975 / India zone IIa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIA)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIa (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore 21°N to 28°N and west of 82°E
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

Kalianpur 1975 / India zone IIb

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IIB)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: India zone IIb (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - onshore north of 21°N and east of 82°E
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

Kalianpur 1975 / India zone IVa

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_INDIA_ZONE_IVA)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: India zone IVa (1975 metres)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - mainland south of 15°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(12),`
	`  longitudeOfNaturalOrigin: new Degree(80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99878641),`
	`  falseEasting: new Metre(2743195.5),`
	`  falseNorthing: new Metre(914398.5)`
	`)`

Kalianpur 1975 / UTM zone 42N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_42N)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1975 / UTM zone 43N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_43N)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1975 / UTM zone 44N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_44N)
```

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1975 / UTM zone 45N

```
Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_45N)
```

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1975 / UTM zone 46N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_46N)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kalianpur 1975 / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_KALIANPUR_1975_UTM_ZONE_47N)`

to Kalianpur 1975 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KALIANPUR_1975),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kandawala / Sri Lanka Grid

```
Projected::fromSRID(Projected::EPSG_KANDAWALA_SRI_LANKA_GRID)
```

to Kandawala (Geographic2D)

EPSG	PHPCoord

Name: Sri Lanka Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KANDAWALA),`
	`  latitudeOfNaturalOrigin: new Degree(7.0004802777778),`
	`  longitudeOfNaturalOrigin: new Degree(80.771711111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999238418),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(200000)`
	`)`

Karbala 1979 / Iraq National Grid

```
Projected::fromSRID(Projected::EPSG_KARBALA_1979_IRAQ_NATIONAL_GRID)
```

to Karbala 1979 (Geographic2D)

EPSG	PHPCoord

Name: Iraq National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iraq - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979),`
	`  latitudeOfNaturalOrigin: new Degree(29.026268333333),`
	`  longitudeOfNaturalOrigin: new Degree(46.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9994),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

Karbala 1979 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_37N)`

to Karbala 1979 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Karbala 1979 / UTM zone 38N

`Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_38N)`

to Karbala 1979 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Karbala 1979 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_KARBALA_1979_UTM_ZONE_39N)
```

to Karbala 1979 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KARBALA_1979),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kasai 1953 / Congo TM zone 22

```
Projected::fromSRID(Projected::EPSG_KASAI_1953_CONGO_TM_ZONE_22)
```

to Kasai 1953 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 21°E to 23°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KASAI_1953),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Kasai 1953 / Congo TM zone 24

```
Projected::fromSRID(Projected::EPSG_KASAI_1953_CONGO_TM_ZONE_24)
```

to Kasai 1953 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 23°E to 25°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KASAI_1953),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Katanga 1955 / Katanga Gauss zone A

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_A)
```

to Katanga 1955 (Geographic2D)

EPSG	PHPCoord

Name: Katanga Gauss zone A
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga east of 28.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Katanga 1955 / Katanga Gauss zone B

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_B)
```

to Katanga 1955 (Geographic2D)

EPSG	PHPCoord

Name: Katanga Gauss zone B
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga 26.5°E to 29.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Katanga 1955 / Katanga Gauss zone C

```
Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_C)
```

to Katanga 1955 (Geographic2D)

EPSG	PHPCoord

Name: Katanga Gauss zone C
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga 24.5°E to 27.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Katanga 1955 / Katanga Gauss zone D

`Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_GAUSS_ZONE_D)`

to Katanga 1955 (Geographic2D)

EPSG	PHPCoord

Name: Katanga Gauss zone D
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga west of 25.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955),`
	`  latitudeOfNaturalOrigin: new Degree(-9),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Katanga 1955 / Katanga Lambert

`Projected::fromSRID(Projected::EPSG_KATANGA_1955_KATANGA_LAMBERT)`

to Katanga 1955 (Geographic2D)

EPSG	PHPCoord

Name: Katanga Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - Katanga
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KATANGA_1955),`
	`  latitudeOfFalseOrigin: new Degree(-9),`
	`  longitudeOfFalseOrigin: new Degree(26),`
	`  latitudeOf1stStandardParallel: new Degree(-6.5),`
	`  latitudeOf2ndStandardParallel: new Degree(-11.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

Kertau (RSO) / RSO Malaya (ch)

`Projected::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_CH)`

to Kertau (RSO) (Geographic2D)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Malaya Grid (chain)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - onshore
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_RSO),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(102.25),`
	`  azimuthOfInitialLine: new Degree(323.0257905),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new BritishChain1922SearsTruncated(40000),`
	`  falseNorthing: new BritishChain1922SearsTruncated(0)`
	`)`

Kertau (RSO) / RSO Malaya (m)

`Projected::fromSRID(Projected::EPSG_KERTAU_RSO_RSO_MALAYA_M)`

to Kertau (RSO) (Geographic2D)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Malaya Grid (metre)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - onshore
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_RSO),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(102.25),`
	`  azimuthOfInitialLine: new Degree(323.0257905),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(804670.24),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / Johor Grid

`Projected::fromSRID(Projected::EPSG_KERTAU_1968_JOHOR_GRID)`

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Johor Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Johor
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(2.0425833333333),`
	`  longitudeOfNaturalOrigin: new Degree(103.56275833333),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / Kedah and Perlis Grid

`Projected::fromSRID(Projected::EPSG_KERTAU_1968_KEDAH_AND_PERLIS_GRID)`

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Kedah and Perlis Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kedah and Perlis
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(5.9651472222222),`
	`  longitudeOfNaturalOrigin: new Degree(100.63759444444),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / Kelantan Grid

`Projected::fromSRID(Projected::EPSG_KERTAU_1968_KELANTAN_GRID)`

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Kelantan Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Kelantan
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(5.8939222222222),`
	`  longitudeOfNaturalOrigin: new Degree(102.17729166667),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / Pahang Grid

`Projected::fromSRID(Projected::EPSG_KERTAU_1968_PAHANG_GRID)`

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Pahang Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pahang
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(3.7109722222222),`
	`  longitudeOfNaturalOrigin: new Degree(102.43617777778),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / Perak Revised Grid

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_PERAK_REVISED_GRID)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Perak Revised Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Perak
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(4.8593805555556),`
	`  longitudeOfNaturalOrigin: new Degree(100.81676666667),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(133453.669)`
	`)`

Kertau 1968 / Pinang Grid

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_PINANG_GRID)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Pinang Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Pulau Pinang
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(5.421325),`
	`  longitudeOfNaturalOrigin: new Degree(100.34586944444),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / Selangor Grid

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_SELANGOR_GRID)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Selangor Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Selangor
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(3.6803444444444),`
	`  longitudeOfNaturalOrigin: new Degree(101.50824444444),`
	`  falseEasting: new Metre(-21759.438),`
	`  falseNorthing: new Metre(55960.906)`
	`)`

Kertau 1968 / Sembilan and Melaka Grid

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_SEMBILAN_AND_MELAKA_GRID)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Sembilan and Melaka Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Sembilan and Melaka
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(2.7122833333333),`
	`  longitudeOfNaturalOrigin: new Degree(101.94116666667),`
	`  falseEasting: new Metre(-242.005),`
	`  falseNorthing: new Metre(-948.547)`
	`)`

Kertau 1968 / Singapore Grid

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_SINGAPORE_GRID)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Singapore Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Singapore
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(1.2876466666667),`
	`  longitudeOfNaturalOrigin: new Degree(103.85300222222),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(30000)`
	`)`

Kertau 1968 / Terengganu Grid

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_TERENGGANU_GRID)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: Terengganu Cassini Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - West Malaysia - Terengganu
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(4.9461416666667),`
	`  longitudeOfNaturalOrigin: new Degree(102.89520833333),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / UTM zone 47N

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_47N)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kertau 1968 / UTM zone 48N

```
Projected::fromSRID(Projected::EPSG_KERTAU_1968_UTM_ZONE_48N)
```

to Kertau 1968 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KERTAU_1968),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Korean 1985 / Central Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 126°E to 128°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / Central Belt Jeju

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_CENTRAL_BELT_JEJU)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Central Belt Jeju
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E Jeju
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(550000)`
	`)`

Korean 1985 / East Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_EAST_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 128°E to 130°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / East Sea Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_EAST_SEA_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - east of 130°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / Modified Central Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_CENTRAL_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Modified Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / Modified Central Belt Jeju

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_CENTRAL_BELT_JEJU)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Modified Central Belt Jeju
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 126°E to 128°E Jeju
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.`
	`↪00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(550000)`
	`)`

Korean 1985 / Modified East Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_EAST_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Modified East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 128°E to 130°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129.00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / Modified East Sea Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_EAST_SEA_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Modified East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 130°E to 132°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131.00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / Modified West Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_MODIFIED_WEST_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Modified West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea) - 124°E to 126°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125.00289027778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Korean 1985 / Unified CS

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_UNIFIED_CS)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea Unified Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Korea, Republic of (South Korea)
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

Korean 1985 / West Belt

```
Projected::fromSRID(Projected::EPSG_KOREAN_1985_WEST_BELT)
```

to Korean 1985 (Geographic2D)

EPSG	PHPCoord

Name: Korea West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - west of 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOREAN_1985),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Kousseri / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_KOUSSERI_UTM_ZONE_33N)
```

to Kousseri (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪KOUSSERI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Kyrg-06 / zone 1

`Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_1)`

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: Kyrgyzstan zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - west of 70°01'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(68.516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

Kyrg-06 / zone 2

`Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_2)`

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: Kyrgyzstan zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - 70°01'E to 73°01'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(71.516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

Kyrg-06 / zone 3

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_3)
```

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: Kyrgyzstan zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - 73°01'E to 76°01'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(74.516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

Kyrg-06 / zone 4

```
Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_4)
```

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: Kyrgyzstan zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - 76°01'E to 79°01'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(77.516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

Kyrg-06 / zone 5

`Projected::fromSRID(Projected::EPSG_KYRG_06_ZONE_5)`

to Kyrg-06 (Geographic2D)

EPSG	PHPCoord

Name: Kyrgyzstan zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kyrgyzstan - east of 79°01'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_KYRG_06),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(80.516666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5300000),`
	`  falseNorthing: new Metre(14743.5)`
	`)`

LGD2006 / Libya TM

`Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9965),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 10

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_10)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 18°E to 20°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 11

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_11)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 20°E to 22°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 12

`Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_12)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 22°E to 24°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 13

`Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_13)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - east of 24°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 5

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_5)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - west of 10°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 6

```
Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_6)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 10°E to 12°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 7

`Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_7)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 12°E to 14°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 8

`Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_8)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 14°E to 16°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / Libya TM zone 9

`Projected::fromSRID(Projected::EPSG_LGD2006_LIBYA_TM_ZONE_9)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: Libya TM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Libya - 16°E to 18°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_32N)`

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_33N)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_34N)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

LGD2006 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_LGD2006_UTM_ZONE_35N)
```

to LGD2006 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LGD2006),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

LKS-2020 / Latvia TM

```
Projected::fromSRID(Projected::EPSG_LKS_2020_LATVIA_TM)
```

to LKS-2020 (Geographic2D)

EPSG	PHPCoord

Name: Latvian Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LKS_2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-6000000)`
	`)`

LKS-92 / Latvia TM

```
Projected::fromSRID(Projected::EPSG_LKS_92_LATVIA_TM)
```

to LKS-92 (Geographic2D)

EPSG	PHPCoord

Name: Latvian Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS_92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-6000000)`
	`)`

LKS94 / Lithuania TM

```
Projected::fromSRID(Projected::EPSG_LKS94_LITHUANIA_TM)
```

to LKS94 (Geographic2D)

EPSG	PHPCoord

Name: Lithuania 1994
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LKS94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

LTF2004(C)

`Projected::fromSRID(Projected::EPSG_LTF2004_C)`

to LTF2004(G) (Geographic2D)

EPSG	PHPCoord

Name: Lyon Turin Ferroviaire 2004 (C)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Lyon-Turin
	`$point->lambertConicConformal1SPVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LTF2004_G),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪379166666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  latitudeOfFalseOrigin: new Degree(45.`
	`↪183333333333),`
	`  longitudeOfFalseOrigin: new Degree(6.`
	`↪8166666666667),`
	`  eastingAtFalseOrigin: new Metre(150000),`
	`  northingAtFalseOrigin: new Metre(50000)`
	`)`

LUREF / Luxembourg TM

`Projected::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM)`

to LUREF (Geographic2D)

EPSG	PHPCoord

Name: Luxembourg TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪LUREF),`
	`  latitudeOfNaturalOrigin: new Degree(49.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(6.`
	`↪1666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(100000)`
	`)`

LUREF / Luxembourg TM (3D)

```
Projected::fromSRID(Projected::EPSG_LUREF_LUXEMBOURG_TM_3D)
```

to LUREF (Geographic3D)

EPSG	PHPCoord

Name: Luxembourg TM (3D)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Luxembourg
	`$point->transverseMercator(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_LUREF),`
	`  latitudeOfNaturalOrigin: new Degree(49.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(6.1666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(100000)`
	`)`

La Canoa / UTM zone 18N

```
Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_18N)
```

to La Canoa (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

La Canoa / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_19N)`

to La Canoa (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

La Canoa / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_LA_CANOA_UTM_ZONE_20N)`

to La Canoa (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LA_CANOA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Lake / Maracaibo Grid

`Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID)`

to Lake (Geographic2D)

EPSG	PHPCoord

Name: Maracaibo Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAKE),`
	`  latitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(147315.028)`
	`)`

Lake / Maracaibo Grid M1

`Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M1)`

to Lake (Geographic2D)

EPSG	PHPCoord

Name: Maracaibo Grid (M1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAKE),`
	`  latitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-52684.972)`
	`)`

Lake / Maracaibo Grid M3

`Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_GRID_M3)`

to Lake (Geographic2D)

EPSG	PHPCoord

Name: Maracaibo Grid (M3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAKE),`
	`  latitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(447315.028)`
	`)`

Lake / Maracaibo La Rosa Grid

`Projected::fromSRID(Projected::EPSG_LAKE_MARACAIBO_LA_ROSA_GRID)`

to Lake (Geographic2D)

EPSG	PHPCoord

Name: Maracaibo La Rosa Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela - Maracaibo area
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LAKE),`
	`  latitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.605617777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-17044),`
	`  falseNorthing: new Metre(-23139.97)`
	`)`

Le Pouce 1934 / Mauritius Grid

`Projected::fromSRID(Projected::EPSG_LE_POUCE_1934_MAURITIUS_GRID)`

to Le Pouce 1934 (Geographic2D)

EPSG	PHPCoord

Name: Mauritius Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mauritius - mainland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LE_POUCE_1934),`
	`  latitudeOfNaturalOrigin: new Degree(-20.195069444444),`
	`  longitudeOfNaturalOrigin: new Degree(57.521827777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

Leigon / Ghana Metre Grid

`Projected::fromSRID(Projected::EPSG_LEIGON_GHANA_METRE_GRID)`

to Leigon (Geographic2D)

EPSG	PHPCoord

Name: Ghana Metre Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ghana
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LEIGON),`
	`  latitudeOfNaturalOrigin: new Degree(4.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-1),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(274319.51),`
	`  falseNorthing: new Metre(0)`
	`)`

Lisbon (Lisbon) / Portuguese Grid

```
Projected::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_GRID)
```

to Lisbon (Lisbon) (Geographic2D)

EPSG	PHPCoord

Name: Portuguese Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_LISBON),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Lisbon (Lisbon) / Portuguese National Grid

```
Projected::fromSRID(Projected::EPSG_LISBON_LISBON_PORTUGUESE_NATIONAL_GRID)
```

to Lisbon (Lisbon) (Geographic2D)

EPSG	PHPCoord

Name: Portuguese National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_LISBON),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Lisbon / Portuguese Grid New

`Projected::fromSRID(Projected::EPSG_LISBON_PORTUGUESE_GRID_NEW)`

to Lisbon (Geographic2D)

EPSG	PHPCoord

Name: Portuguese Grid New
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1319061111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Lisbon 1890 (Lisbon) / Portugal Bonne

`Projected::fromSRID(Projected::EPSG_LISBON_1890_LISBON_PORTUGAL_BONNE)`

to Lisbon 1890 (Lisbon) (Geographic2D)

EPSG	PHPCoord

Name: Portugal Bonne
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->bonneSouthOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890_LISBON),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Lisbon 1890 / Portugal Bonne New

```
Projected::fromSRID(Projected::EPSG_LISBON_1890_PORTUGAL_BONNE_NEW)
```

to Lisbon 1890 (Geographic2D)

EPSG	PHPCoord

Name: Portugal Bonne New
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->bonneSouthOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LISBON_1890),`
	`  latitudeOfNaturalOrigin: new Degree(39.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-8.1319061111111),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Locodjo 1965 / TM 5 NW

```
Projected::fromSRID(Projected::EPSG_LOCODJO_1965_TM_5_NW)
```

to Locodjo 1965 (Geographic2D)

EPSG	PHPCoord

Name: TM 5 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cote d'Ivoire (Ivory Coast) - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LOCODJO_1965),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Locodjo 1965 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_LOCODJO_1965_UTM_ZONE_29N)
```

to Locodjo 1965 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LOCODJO_1965),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Locodjo 1965 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_LOCODJO_1965_UTM_ZONE_30N)
```

to Locodjo 1965 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LOCODJO_1965),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Lome / UTM zone 31N

```
Projected::fromSRID(Projected::EPSG_LOME_UTM_ZONE_31N)
```

to Lome (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LOME),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Luzon 1911 / Philippines zone I

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_I)
```

to Luzon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone I
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Luzon 1911 / Philippines zone II

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_II)
```

to Luzon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone II
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Luzon 1911 / Philippines zone III

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_III)
```

to Luzon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone III
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Luzon 1911 / Philippines zone IV

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_IV)
```

to Luzon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone IV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Luzon 1911 / Philippines zone V

```
Projected::fromSRID(Projected::EPSG_LUZON_1911_PHILIPPINES_ZONE_V)
```

to Luzon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_LUZON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

M'poraloko / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32N)`

to M'poraloko (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MPORALOKO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

M'poraloko / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_MPORALOKO_UTM_ZONE_32S)`

to M'poraloko (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MPORALOKO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

MAGNA-SIRGAS / Arauca urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARAUCA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Arauca urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Arauca city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(7.0876063916667),`
	`  longitudeOfNaturalOrigin: new Degree(-70.758309655556),`
	`  falseEasting: new Metre(1035263.443),`
	`  falseNorthing: new Metre(1275526.621),`
	`  projectionPlaneOriginHeight: new Metre(100)`
	`)`

MAGNA-SIRGAS / Armenia urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_ARMENIA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Armenia urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Armenia city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.532325),`
	`  longitudeOfNaturalOrigin: new Degree(-75.673489166667),`
	`  falseEasting: new Metre(1155824.666),`
	`  falseNorthing: new Metre(993087.465),`
	`  projectionPlaneOriginHeight: new Metre(1470)`
	`)`

MAGNA-SIRGAS / Barranquilla urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BARRANQUILLA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Barranquilla urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Barranquilla city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(10.923183083333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.834331333333),`
	`  falseEasting: new Metre(917264.406),`
	`  falseNorthing: new Metre(1699839.935),`
	`  projectionPlaneOriginHeight: new Metre(100)`
	`)`

MAGNA-SIRGAS / Bogota urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BOGOTA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Bogota urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Bogota city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.6804861111111),`
	`  longitudeOfNaturalOrigin: new Degree(-74.146591666667),`
	`  falseEasting: new Metre(92334.879),`
	`  falseNorthing: new Metre(109320.965),`
	`  projectionPlaneOriginHeight: new Metre(2550)`
	`)`

MAGNA-SIRGAS / Bucaramanga urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_BUCARAMANGA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Bucaramanga urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Bucaramanga city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(7.0788871416667),`
	`  longitudeOfNaturalOrigin: new Degree(-73.197343222222),`
	`  falseEasting: new Metre(1097241.305),`
	`  falseNorthing: new Metre(1274642.278),`
	`  projectionPlaneOriginHeight: new Metre(931)`
	`)`

MAGNA-SIRGAS / Cali urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CALI_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Cali urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Cali city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(3.4418833333333),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5205625),`
	`  falseEasting: new Metre(1061900.18),`
	`  falseNorthing: new Metre(872364.63),`
	`  projectionPlaneOriginHeight: new Metre(1000)`
	`)`

MAGNA-SIRGAS / Cartagena urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CARTAGENA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Cartagena urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Cartagena city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(10.3970475),`
	`  longitudeOfNaturalOrigin: new Degree(-75.511206944444),`
	`  falseEasting: new Metre(842981.41),`
	`  falseNorthing: new Metre(1641887.09),`
	`  projectionPlaneOriginHeight: new Metre(0)`
	`)`

MAGNA-SIRGAS / Colombia Bogota zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_BOGOTA_ZONE)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA Bogota zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 75°35'W to 72°35'W, Colombia - mainland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-74.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS / Colombia East Central zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_CENTRAL_ZONE)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 72°35'W to 69°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-71.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS / Colombia East zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_EAST_ZONE)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - east of 69°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS / Colombia Far West zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_FAR_WEST_ZONE)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA Far West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - west of 78°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-80.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS / Colombia West zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_COLOMBIA_WEST_ZONE)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 78°35'W to 75°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962004166667),`
	`  longitudeOfNaturalOrigin: new Degree(-77.077507916667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS / Cucuta urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_CUCUTA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Cucuta urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Cucuta city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(7.8889367361111),`
	`  longitudeOfNaturalOrigin: new Degree(-72.50287095),`
	`  falseEasting: new Metre(842805.406),`
	`  falseNorthing: new Metre(1364404.57),`
	`  projectionPlaneOriginHeight: new Metre(308)`
	`)`

MAGNA-SIRGAS / Florencia urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_FLORENCIA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Florencia urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Florencia city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(1.6210122944444),`
	`  longitudeOfNaturalOrigin: new Degree(-75.619117602778),`
	`  falseEasting: new Metre(1162300.348),`
	`  falseNorthing: new Metre(671068.716),`
	`  projectionPlaneOriginHeight: new Metre(300)`
	`)`

MAGNA-SIRGAS / Ibague urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_IBAGUE_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Ibague urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Ibague city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.4194128277778),`
	`  longitudeOfNaturalOrigin: new Degree(-75.179925933333),`
	`  falseEasting: new Metre(877634.33),`
	`  falseNorthing: new Metre(980541.348),`
	`  projectionPlaneOriginHeight: new Metre(1100)`
	`)`

MAGNA-SIRGAS / Inirida urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_INIRIDA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Inirida urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Inirida city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(3.8454381833333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.905232088889),`
	`  falseEasting: new Metre(1019177.687),`
	`  falseNorthing: new Metre(491791.326),`
	`  projectionPlaneOriginHeight: new Metre(96)`
	`)`

MAGNA-SIRGAS / Leticia urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_LETICIA_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Leticia urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Leticia city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(-4.1976840472222),`
	`  longitudeOfNaturalOrigin: new Degree(-69.942811058333),`
	`  falseEasting: new Metre(25978.217),`
	`  falseNorthing: new Metre(27501.365),`
	`  projectionPlaneOriginHeight: new Metre(89.7)`
	`)`

MAGNA-SIRGAS / Manizales urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MANIZALES_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Manizales urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Manizales city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(5.0681538888889),`
	`  longitudeOfNaturalOrigin: new Degree(-75.511094722222),`
	`  falseEasting: new Metre(1173727.04),`
	`  falseNorthing: new Metre(1052391.13),`
	`  projectionPlaneOriginHeight: new Metre(2100)`
	`)`

MAGNA-SIRGAS / Medellin urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MEDELLIN_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Medellin urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Medellin city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(6.2292088888889),`
	`  longitudeOfNaturalOrigin: new Degree(-75.564886944444),`
	`  falseEasting: new Metre(835378.647),`
	`  falseNorthing: new Metre(1180816.875),`
	`  projectionPlaneOriginHeight: new Metre(1510)`
	`)`

MAGNA-SIRGAS / Mitu urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MITU_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Mitu urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Mitu city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(1.2499693666667),`
	`  longitudeOfNaturalOrigin: new Degree(-70.235461655556),`
	`  falseEasting: new Metre(1093717.398),`
	`  falseNorthing: new Metre(629997.236),`
	`  projectionPlaneOriginHeight: new Metre(170)`
	`)`

MAGNA-SIRGAS / Mocoa urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MOCOA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Mocoa urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Mocoa city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(1.1400233583333),`
	`  longitudeOfNaturalOrigin: new Degree(-76.651021219444),`
	`  falseEasting: new Metre(1047467.388),`
	`  falseNorthing: new Metre(617828.474),`
	`  projectionPlaneOriginHeight: new Metre(655.2)`
	`)`

MAGNA-SIRGAS / Monteria urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_MONTERIA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Monteria urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Monteria city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(8.7730857555556),`
	`  longitudeOfNaturalOrigin: new Degree(-75.879553330556),`
	`  falseEasting: new Metre(1131814.934),`
	`  falseNorthing: new Metre(1462131.119),`
	`  projectionPlaneOriginHeight: new Metre(15)`
	`)`

MAGNA-SIRGAS / Neiva urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_NEIVA_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Neiva urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Neiva city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(2.9424150555556),`
	`  longitudeOfNaturalOrigin: new Degree(-75.296436722222),`
	`  falseEasting: new Metre(864476.923),`
	`  falseNorthing: new Metre(817199.827),`
	`  projectionPlaneOriginHeight: new Metre(430)`
	`)`

MAGNA-SIRGAS / Pasto urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PASTO_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Pasto urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Pasto city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(1.2009895138889),`
	`  longitudeOfNaturalOrigin: new Degree(-77.253125633333),`
	`  falseEasting: new Metre(980469.695),`
	`  falseNorthing: new Metre(624555.332),`
	`  projectionPlaneOriginHeight: new Metre(2530)`
	`)`

MAGNA-SIRGAS / Pereira urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PEREIRA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Pereira urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Pereira city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.8135936111111),`
	`  longitudeOfNaturalOrigin: new Degree(-75.693951388889),`
	`  falseEasting: new Metre(1153492.012),`
	`  falseNorthing: new Metre(1024195.255),`
	`  projectionPlaneOriginHeight: new Metre(1500)`
	`)`

MAGNA-SIRGAS / Popayan urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_POPAYAN_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Popayan urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Popayan city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(2.4561598833333),`
	`  longitudeOfNaturalOrigin: new Degree(-76.606091636111),`
	`  falseEasting: new Metre(1052430.525),`
	`  falseNorthing: new Metre(763366.548),`
	`  projectionPlaneOriginHeight: new Metre(1740)`
	`)`

MAGNA-SIRGAS / Puerto Carreno urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_PUERTO_CARRENO_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Puerto Carreno urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Puerto Carreno city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(6.1807214138889),`
	`  longitudeOfNaturalOrigin: new Degree(-67.500750247222),`
	`  falseEasting: new Metre(1063834.703),`
	`  falseNorthing: new Metre(1175257.481),`
	`  projectionPlaneOriginHeight: new Metre(51.58)`
	`)`

MAGNA-SIRGAS / Quibdo urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_QUIBDO_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Quibdo urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Quibdo city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(5.6942476611111),`
	`  longitudeOfNaturalOrigin: new Degree(-76.650753858333),`
	`  falseEasting: new Metre(1047273.617),`
	`  falseNorthing: new Metre(1121443.09),`
	`  projectionPlaneOriginHeight: new Metre(44)`
	`)`

MAGNA-SIRGAS / Riohacha urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_RIOHACHA_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Riohacha urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Riohacha city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(11.536913327778),`
	`  longitudeOfNaturalOrigin: new Degree(-72.902768869444),`
	`  falseEasting: new Metre(1128154.73),`
	`  falseNorthing: new Metre(1767887.914),`
	`  projectionPlaneOriginHeight: new Metre(6)`
	`)`

MAGNA-SIRGAS / San Andres urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_ANDRES_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: San Andres urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - San Andres city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(12.523794325),`
	`  longitudeOfNaturalOrigin: new Degree(-81.72937595),`
	`  falseEasting: new Metre(820439.298),`
	`  falseNorthing: new Metre(1877357.828),`
	`  projectionPlaneOriginHeight: new Metre(6)`
	`)`

MAGNA-SIRGAS / San Jose del Guaviare urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SAN_JOSE_DEL_GUAVIARE_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: San Jose del Guaviare urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - San Jose del Guaviare city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(2.5640789416667),`
	`  longitudeOfNaturalOrigin: new Degree(-72.640033325),`
	`  falseEasting: new Metre(1159876.62),`
	`  falseNorthing: new Metre(775380.342),`
	`  projectionPlaneOriginHeight: new Metre(185)`
	`)`

MAGNA-SIRGAS / Santa Marta urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SANTA_MARTA_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Santa Marta urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Santa Marta city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(11.219643055556),`
	`  longitudeOfNaturalOrigin: new Degree(-74.225005277778),`
	`  falseEasting: new Metre(983892.409),`
	`  falseNorthing: new Metre(1732533.518),`
	`  projectionPlaneOriginHeight: new Metre(29)`
	`)`

MAGNA-SIRGAS / Sucre urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_SUCRE_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Sucre urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Sucre city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(8.8105503666667),`
	`  longitudeOfNaturalOrigin: new Degree(-74.722466825),`
	`  falseEasting: new Metre(929043.607),`
	`  falseNorthing: new Metre(1466125.658),`
	`  projectionPlaneOriginHeight: new Metre(20)`
	`)`

MAGNA-SIRGAS / Tunja urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_TUNJA_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Tunja urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Tunja city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(5.5341947388889),`
	`  longitudeOfNaturalOrigin: new Degree(-73.3519389),`
	`  falseEasting: new Metre(1080514.91),`
	`  falseNorthing: new Metre(1103772.028),`
	`  projectionPlaneOriginHeight: new Metre(2800)`
	`)`

MAGNA-SIRGAS / Valledupar urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VALLEDUPAR_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Valledupar urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Valledupar city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(10.447261111111),`
	`  longitudeOfNaturalOrigin: new Degree(-73.246571388889),`
	`  falseEasting: new Metre(1090979.66),`
	`  falseNorthing: new Metre(1647208.93),`
	`  projectionPlaneOriginHeight: new Metre(200)`
	`)`

MAGNA-SIRGAS / Villavicencio urban grid

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_VILLAVICENCIO_URBAN_GRID)`

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Villavicencio urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Villavicencio city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(4.1553751),`
	`  longitudeOfNaturalOrigin: new Degree(-73.624485986111),`
	`  falseEasting: new Metre(1050678.757),`
	`  falseNorthing: new Metre(950952.124),`
	`  projectionPlaneOriginHeight: new Metre(427.19)`
	`)`

MAGNA-SIRGAS / Yopal urban grid

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_YOPAL_URBAN_GRID)
```

to MAGNA-SIRGAS (Geographic2D)

EPSG	PHPCoord

Name: Yopal urban grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - Yopal city
	`$point->columbiaUrban(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS),`
	`  latitudeOfNaturalOrigin: new Degree(5.3539272222222),`
	`  longitudeOfNaturalOrigin: new Degree(-72.420040277778),`
	`  falseEasting: new Metre(851184.177),`
	`  falseNorthing: new Metre(1083954.137),`
	`  projectionPlaneOriginHeight: new Metre(300)`
	`)`

MAGNA-SIRGAS 2018 / Colombia Bogota zone

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_BOGOTA_ZONE)
```

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 Bogota zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 75°35'W to 72°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-74.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS 2018 / Colombia East Central zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_CENTRAL_ZONE)`

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 72°35'W to 69°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-71.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS 2018 / Colombia East zone

`Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_EAST_ZONE)`

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - east of 69°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-68.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS 2018 / Colombia Far West zone

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_FAR_WEST_ZONE)
```

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 Far West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - west of 78°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-80.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS 2018 / Colombia West zone

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_COLOMBIA_WEST_ZONE)
```

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: Colombia MAGNA 2018 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia - 78°35'W to 75°35'W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAGNA_SIRGAS_2018),`
	`  latitudeOfNaturalOrigin: new Degree(4.5962032222222),`
	`  longitudeOfNaturalOrigin: new Degree(-77.077507769444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

MAGNA-SIRGAS 2018 / Origen-Nacional

```
Projected::fromSRID(Projected::EPSG_MAGNA_SIRGAS_2018_ORIGEN_NACIONAL)
```

to MAGNA-SIRGAS 2018 (Geographic2D)

EPSG	PHPCoord

Name: Colombia Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Colombia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAGNA_SIRGAS_2018),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(-73),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

MALS09 Grid

```
Projected::fromSRID(Projected::EPSG_MALS09_GRID)
```

to MALS09-IRF (Geographic2D)

EPSG	PHPCoord

Name: MALS09-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Leamington Spa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MALS09_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.2),`
	`  longitudeOfNaturalOrigin: new Degree(-1.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(175262.1809),`
	`  falseNorthing: new Metre(174688.2508)`
	`)`

MARGEN / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_19S)`

to MARGEN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARGEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

MARGEN / UTM zone 20S

`Projected::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_20S)`

to MARGEN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARGEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

MARGEN / UTM zone 21S

```
Projected::fromSRID(Projected::EPSG_MARGEN_UTM_ZONE_21S)
```

to MARGEN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MARGEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

MGI (Ferro) / Austria Central Zone

```
Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_CENTRAL_ZONE)
```

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria Central Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI (Ferro) / Austria East Zone

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_EAST_ZONE)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria East Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI (Ferro) / Austria GK Central Zone

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_CENTRAL_ZONE)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger Central Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI (Ferro) / Austria GK East Zone

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_EAST_ZONE)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger East Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI (Ferro) / Austria GK West Zone

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_GK_WEST_ZONE)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger West Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI (Ferro) / Austria West Zone

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_WEST_ZONE)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria West Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI (Ferro) / Austria zone M28

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M28)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria zone M28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI (Ferro) / Austria zone M31

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M31)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria zone M31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(450000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI (Ferro) / Austria zone M34

`Projected::fromSRID(Projected::EPSG_MGI_FERRO_AUSTRIA_ZONE_M34)`

to MGI (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Austria zone M34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI / Austria Central

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_CENTRAL)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Central
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI / Austria East

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_EAST)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria East
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI / Austria GK Central

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_CENTRAL)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger Central
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI / Austria GK East

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_EAST)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger East
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI / Austria GK M28

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M28)
```

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger M28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI / Austria GK M31

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M31)
```

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger M31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(450000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI / Austria GK M34

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_M34)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger M34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI / Austria GK West

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_GK_WEST)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Gauss-Kruger West
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI / Austria Lambert

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_LAMBERT)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfFalseOrigin: new Degree(47.5),`
	`  longitudeOfFalseOrigin: new Degree(13.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

MGI / Austria M28

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M28)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria M28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI / Austria M31

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M31)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria M31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - 11°50'E to 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(450000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI / Austria M34

`Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_M34)`

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria M34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - east of 14°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(750000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI / Austria West

```
Projected::fromSRID(Projected::EPSG_MGI_AUSTRIA_WEST)
```

to MGI (Geographic2D)

EPSG	PHPCoord

Name: Austria West
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - west of 11°50'E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI 1901 / Balkans zone 5

```
Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_5)
```

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Balkans zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore west of 16.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI 1901 / Balkans zone 6

`Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_6)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Balkans zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore 16.5°E to 19.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI 1901 / Balkans zone 7

`Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_7)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Balkans zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia, Europe - former Yugoslavia onshore 19.5°E to 22.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI 1901 / Balkans zone 8

```
Projected::fromSRID(Projected::EPSG_MGI_1901_BALKANS_ZONE_8)
```

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Balkans zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - former Yugoslavia onshore east of 22.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MGI 1901 / Slovene National Grid

```
Projected::fromSRID(Projected::EPSG_MGI_1901_SLOVENE_NATIONAL_GRID)
```

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Slovene National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MGI 1901 / Slovenia Grid

```
Projected::fromSRID(Projected::EPSG_MGI_1901_SLOVENIA_GRID)
```

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Slovenia Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MML07 Grid

```
Projected::fromSRID(Projected::EPSG_MML07_GRID)
```

to MML07-IRF (Geographic2D)

EPSG	PHPCoord

Name: MML07-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - London to Sheffield
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MML07_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.45),`
	`  longitudeOfNaturalOrigin: new Degree(-0.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49350.157),`
	`  falseNorthing: new Metre(108398.212)`
	`)`

MMN / Argentina 2

```
Projected::fromSRID(Projected::EPSG_MMN_ARGENTINA_2)
```

to MMN (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MMN),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MMS / Argentina 2

```
Projected::fromSRID(Projected::EPSG_MMS_ARGENTINA_2)
```

to MMS (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MMS),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MOLDOR11 Grid

```
Projected::fromSRID(Projected::EPSG_MOLDOR11_GRID)
```

to MOLDOR11-IRF (Geographic2D)

EPSG	PHPCoord

Name: MOLDOR11-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Manchester to Dore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOLDOR11_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(53.35),`
	`  longitudeOfNaturalOrigin: new Degree(-1.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(226574.2032),`
	`  falseNorthing: new Metre(390894.838)`
	`)`

MOLDREF99 / Moldova TM

```
Projected::fromSRID(Projected::EPSG_MOLDREF99_MOLDOVA_TM)
```

to MOLDREF99 (Geographic2D)

EPSG	PHPCoord

Name: Moldova Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Moldova
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOLDREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99994),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

MOP78 / UTM zone 1S

`Projected::fromSRID(Projected::EPSG_MOP78_UTM_ZONE_1S)`

to MOP78 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOP78),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

MRH21 Grid

`Projected::fromSRID(Projected::EPSG_MRH21_GRID)`

to MRH21-IRF (Geographic2D)

EPSG	PHPCoord

Name: MRH21-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Cardiff to Lincoln
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MRH21_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.3),`
	`  longitudeOfNaturalOrigin: new Degree(-1.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(227286.9881),`
	`  falseNorthing: new Metre(265751.2874)`
	`)`

MTRF-2000 / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_36N)
```

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MTRF-2000 / UTM zone 37N

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_37N)
```

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MTRF-2000 / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_38N)
```

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MTRF-2000 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_39N)
```

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MTRF-2000 / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_MTRF_2000_UTM_ZONE_40N)
```

to MTRF-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MTRF_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

MWC18 Grid

```
Projected::fromSRID(Projected::EPSG_MWC18_GRID)
```

to MWC18-IRF (Geographic2D)

EPSG	PHPCoord

Name: MWC18-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Manchester, Wigan and Chester
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MWC18_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(53.35),`
	`  longitudeOfNaturalOrigin: new Degree(-2.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(171975.9382),`
	`  falseNorthing: new Metre(116744.6938)`
	`)`

Macao 1920 / Macao Grid

`Projected::fromSRID(Projected::EPSG_MACAO_1920_MACAO_GRID)`

to Macao 1920 (Geographic2D)

EPSG	PHPCoord

Name: Macau Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Macao
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MACAO_1920),`
	`  latitudeOfNaturalOrigin: new Degree(22.212397222222),`
	`  longitudeOfNaturalOrigin: new Degree(113.53646944444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(20000)`
	`)`

Macedonia State Coordinate System

`Projected::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Macedonia Gauss-Kruger
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Macedonia State Coordinate System truncated

`Projected::fromSRID(Projected::EPSG_MACEDONIA_STATE_COORDINATE_SYSTEM_TRUNCATED)`

to MGI 1901 (Geographic2D)

EPSG	PHPCoord

Name: Macedonia Gauss-Kruger truncated
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North Macedonia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MGI_1901),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-4000000)`
	`)`

Madrid 1870 (Madrid) / Spain LCC

`Projected::fromSRID(Projected::EPSG_MADRID_1870_MADRID_SPAIN_LCC)`

to Madrid 1870 (Madrid) (Geographic2D)

EPSG	PHPCoord

Name: Spain
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MADRID_1870_MADRID),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9988085293),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(600000)`
	`)`

Makassar (Jakarta) / NEIEZ

```
Projected::fromSRID(Projected::EPSG_MAKASSAR_JAKARTA_NEIEZ)
```

to Makassar (Jakarta) (Geographic2D)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone (Jkt)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR_JAKARTA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3.1922805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Makassar / NEIEZ

```
Projected::fromSRID(Projected::EPSG_MAKASSAR_NEIEZ)
```

to Makassar (Geographic2D)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAKASSAR),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(110),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Malongo 1987 / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_MALONGO_1987_UTM_ZONE_32S)`

to Malongo 1987 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MALONGO_1987),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Malongo 1987 / UTM zone 33S

`Projected::fromSRID(Projected::EPSG_MALONGO_1987_UTM_ZONE_33S)`

to Malongo 1987 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MALONGO_1987),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Manoca 1962 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_MANOCA_1962_UTM_ZONE_32N)`

to Manoca 1962 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MANOCA_1962),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Martinique 1938 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_MARTINIQUE_1938_UTM_ZONE_20N)`

to Martinique 1938 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MARTINIQUE_1938),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Massawa / UTM zone 37N

```
Projected::fromSRID(Projected::EPSG_MASSAWA_UTM_ZONE_37N)
```

to Massawa (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MASSAWA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Maupiti 83 / UTM zone 5S

```
Projected::fromSRID(Projected::EPSG_MAUPITI_83_UTM_ZONE_5S)
```

to Maupiti 83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAUPITI_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Mauritania 1999 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_28N)`

to Mauritania 1999 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAURITANIA_1999),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mauritania 1999 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_29N)`

to Mauritania 1999 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MAURITANIA_1999),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mauritania 1999 / UTM zone 30N

`Projected::fromSRID(Projected::EPSG_MAURITANIA_1999_UTM_ZONE_30N)`

to Mauritania 1999 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MAURITANIA_1999),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Merchich / Nord Maroc

`Projected::fromSRID(Projected::EPSG_MERCHICH_NORD_MAROC)`

to Merchich (Geographic2D)

EPSG	PHPCoord

Name: Nord Maroc
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Morocco - north of 31.5°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MERCHICH),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Merchich / Sahara Nord

```
Projected::fromSRID(Projected::EPSG_MERCHICH_SAHARA_NORD)
```

to Merchich (Geographic2D)

EPSG	PHPCoord

Name: Sahara Nord
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Western Sahara - north of 24.3°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MERCHICH),`
	`  latitudeOfNaturalOrigin: new Grad(29),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999616304),`
	`  falseEasting: new Metre(1200000),`
	`  falseNorthing: new Metre(400000)`
	`)`

Merchich / Sahara Sud

```
Projected::fromSRID(Projected::EPSG_MERCHICH_SAHARA_SUD)
```

to Merchich (Geographic2D)

EPSG	PHPCoord

Name: Sahara Sud
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Western Sahara - south of 24.3°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MERCHICH),`
	`  latitudeOfNaturalOrigin: new Grad(25),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999616437),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(400000)`
	`)`

Merchich / Sud Maroc

`Projected::fromSRID(Projected::EPSG_MERCHICH_SUD_MAROC)`

to Merchich (Geographic2D)

EPSG	PHPCoord

Name: Sud Maroc
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Morocco - south of 31.5°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MERCHICH),`
	`  latitudeOfNaturalOrigin: new Grad(33),`
	`  longitudeOfNaturalOrigin: new Grad(-6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999615596),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Mexico ITRF2008 / LCC

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_LCC)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: Mexico LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfFalseOrigin: new Degree(12),`
	`  longitudeOfFalseOrigin: new Degree(-102),`
	`  latitudeOf1stStandardParallel: new Degree(17.5),`
	`  latitudeOf2ndStandardParallel: new Degree(29.5),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

Mexico ITRF2008 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_11N)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF2008 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_12N)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF2008 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_13N)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF2008 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_14N)`

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF2008 / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_15N)
```

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF2008 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF2008_UTM_ZONE_16N)
```

to Mexico ITRF2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF92 / LCC

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_LCC)
```

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: Mexico LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mexico
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92),`
	`  latitudeOfFalseOrigin: new Degree(12),`
	`  longitudeOfFalseOrigin: new Degree(-102),`
	`  latitudeOf1stStandardParallel: new Degree(17.5),`
	`  latitudeOf2ndStandardParallel: new Degree(29.5),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

Mexico ITRF92 / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_11N)
```

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF92 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_12N)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF92 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_13N)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF92 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_14N)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MEXICO_ITRF92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF92 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_15N)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪MEXICO_ITRF92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mexico ITRF92 / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_MEXICO_ITRF92_UTM_ZONE_16N)`

to Mexico ITRF92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MEXICO_ITRF92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Mhast (offshore) / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_MHAST_OFFSHORE_UTM_ZONE_32S)`

to Mhast (offshore) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_OFFSHORE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Mhast (onshore) / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_MHAST_ONSHORE_UTM_ZONE_32S)`

to Mhast (onshore) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MHAST_ONSHORE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Minna / Nigeria East Belt

`Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_EAST_BELT)`

to Minna (Geographic2D)

EPSG	PHPCoord

Name: Nigeria East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - east of 10.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(12.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(1110369.7),`
	`  falseNorthing: new Metre(0)`
	`)`

Minna / Nigeria Mid Belt

```
Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_MID_BELT)
```

to Minna (Geographic2D)

EPSG	PHPCoord

Name: Nigeria Mid Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - 6.5°E to 10.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(8.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(670553.98),`
	`  falseNorthing: new Metre(0)`
	`)`

Minna / Nigeria West Belt

```
Projected::fromSRID(Projected::EPSG_MINNA_NIGERIA_WEST_BELT)
```

to Minna (Geographic2D)

EPSG	PHPCoord

Name: Nigeria West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nigeria - west of 6.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  latitudeOfNaturalOrigin: new Degree(4),`
	`  longitudeOfNaturalOrigin: new Degree(4.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(230738.26),`
	`  falseNorthing: new Metre(0)`
	`)`

Minna / UTM zone 31N

```
Projected::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_31N)
```

to Minna (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Minna / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_MINNA_UTM_ZONE_32N)
```

to Minna (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MINNA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Monte Mario / Italy zone 1

`Projected::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_1)`

to Monte Mario (Geographic2D)

EPSG	PHPCoord

Name: Italy zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - west of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Monte Mario / Italy zone 2

`Projected::fromSRID(Projected::EPSG_MONTE_MARIO_ITALY_ZONE_2)`

to Monte Mario (Geographic2D)

EPSG	PHPCoord

Name: Italy zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - east of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(2520000),`
	`  falseNorthing: new Metre(0)`
	`)`

Monte Mario / TM Emilia-Romagna

`Projected::fromSRID(Projected::EPSG_MONTE_MARIO_TM_EMILIA_ROMAGNA)`

to Monte Mario (Geographic2D)

EPSG	PHPCoord

Name: TM Emilia-Romagna
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Emilia-Romagna
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTE_MARIO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500053),`
	`  falseNorthing: new Metre(-3999820)`
	`)`

Montserrat 1958 / British West Indies Grid

`Projected::fromSRID(Projected::EPSG_MONTSERRAT_1958_BRITISH_WEST_INDIES_GRID)`

to Montserrat 1958 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MONTSERRAT_1958),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

Moorea 87 / UTM zone 6S

`Projected::fromSRID(Projected::EPSG_MOOREA_87_UTM_ZONE_6S)`

to Moorea 87 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOOREA_87),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Mount Dillon / Tobago Grid

`Projected::fromSRID(Projected::EPSG_MOUNT_DILLON_TOBAGO_GRID)`

to Mount Dillon (Geographic2D)

EPSG	PHPCoord

Name: Tobago Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Tobago - onshore
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOUNT_DILLON),`
	`  latitudeOfNaturalOrigin: new Degree(11.252178611111),`
	`  longitudeOfNaturalOrigin: new Degree(-60.686008888889),`
	`  falseEasting: new ClarkeLink(187500),`
	`  falseNorthing: new ClarkeLink(180000)`
	`)`

Moznet / UTM zone 36S

`Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_36S)`

to Moznet (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOZNET),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Moznet / UTM zone 37S

`Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_37S)`

to Moznet (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOZNET),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Moznet / UTM zone 38S

`Projected::fromSRID(Projected::EPSG_MOZNET_UTM_ZONE_38S)`

to Moznet (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_MOZNET),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NAD27 / Alabama East

`Projected::fromSRID(Projected::EPSG_NAD27_ALABAMA_EAST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alabama CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alabama West

```
Projected::fromSRID(Projected::EPSG_NAD27_ALABAMA_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alabama CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska Albers

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ALBERS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(0),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 1

`Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_1)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(16404166.67),`
	`  falseNorthing: new USSurveyFoot(-16404166.67)`
	`)`

NAD27 / Alaska zone 10

`Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_10)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 2

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_2)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 3

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_3)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 4

`Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_4)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 5

`Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_5)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 6

`Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_6)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 7

`Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_7)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(700000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 8

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_8)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alaska zone 9

```
Projected::fromSRID(Projected::EPSG_NAD27_ALASKA_ZONE_9)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alaska CS27 zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(600000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Alberta 3TM ref merid 111 W

`Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_111_W)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / Alberta 3TM ref merid 114 W

`Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_114_W)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / Alberta 3TM ref merid 117 W

`Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_117_W)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / Alberta 3TM ref merid 120 W

`Projected::fromSRID(Projected::EPSG_NAD27_ALBERTA_3TM_REF_MERID_120_W)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / Arizona Central

```
Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_CENTRAL)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Arizona Coordinate System Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Arizona East

```
Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Arizona Coordinate System East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Arizona West

`Projected::fromSRID(Projected::EPSG_NAD27_ARIZONA_WEST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Arizona Coordinate System West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Arkansas North

`Projected::fromSRID(Projected::EPSG_NAD27_ARKANSAS_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Arkansas CS27 North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Arkansas South

```
Projected::fromSRID(Projected::EPSG_NAD27_ARKANSAS_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Arkansas CS27 South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 10N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_10N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 10N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 11N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_11N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 11N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 12N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_12N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 12N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 13N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_13N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 13N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 14N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_14N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 14N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 102°W to 96°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 15N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_15N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 15N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 96°W to 90°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 16N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_16N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 16N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 90°W to 84°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 17N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_17N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 17N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 84°W to 78°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 18N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_18N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 18N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 19N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_19N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 19N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 1N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_1N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 1N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 180°W to 174°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 2N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_2N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 2N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°W to 168°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 3N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_3N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 3N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 168°W to 162°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 4N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_4N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 4N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 162°W to 156°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 59N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_59N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 59N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - west of 174°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 5N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_5N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 5N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 156°W to 150°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 60N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_60N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 60N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°E to 180°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 6N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_6N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 6N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 150°W to 144°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 7N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD27_BLM_7N_FTUS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 7N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 8N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_8N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 8N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / BLM 9N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD27_BLM_9N_FTUS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 9N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / California Albers

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ALBERS)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

NAD27 / California zone I

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_I)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / California zone II

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_II)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / California zone III

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_III)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / California zone IV

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_IV)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / California zone V

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_V)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS27 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / California zone VI

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VI)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / California zone VII

```
Projected::fromSRID(Projected::EPSG_NAD27_CALIFORNIA_ZONE_VII)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: California CS27 zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS27 - 7
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(34.133333333333),`
	`  longitudeOfFalseOrigin: new Degree(-118.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(34.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.866666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4186692.58),`
	`  northingAtFalseOrigin: new USSurveyFoot(4160926.74)`
	`)`

NAD27 / Colorado Central

`Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Colorado CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Colorado North

`Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Colorado CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Colorado South

`Projected::fromSRID(Projected::EPSG_NAD27_COLORADO_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Colorado CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Connecticut

`Projected::fromSRID(Projected::EPSG_NAD27_CONNECTICUT)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Connecticut CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(600000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Conus Albers

`Projected::fromSRID(Projected::EPSG_NAD27_CONUS_ALBERS)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD27 / Cuba Norte

`Projected::fromSRID(Projected::EPSG_NAD27_CUBA_NORTE)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Cuba Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cuba - onshore north of 21°30'N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(22.35),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(23),`
	`  latitudeOf2ndStandardParallel: new Degree(21.7),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(280296.016)`
	`)`

NAD27 / Cuba Sur

`Projected::fromSRID(Projected::EPSG_NAD27_CUBA_SUR)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Cuba Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cuba - onshore south of 21°30'N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(20.716666666667),`
	`  longitudeOfFalseOrigin: new Degree(-76.833333333333),`
	`  latitudeOf1stStandardParallel: new Degree(21.3),`
	`  latitudeOf2ndStandardParallel: new Degree(20.133333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(229126.939)`
	`)`

NAD27 / Delaware

```
Projected::fromSRID(Projected::EPSG_NAD27_DELAWARE)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Delaware CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Florida East

```
Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Florida CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Florida North

`Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Florida CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Florida West

`Projected::fromSRID(Projected::EPSG_NAD27_FLORIDA_WEST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Florida CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Georgia East

```
Projected::fromSRID(Projected::EPSG_NAD27_GEORGIA_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Georgia CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Georgia West

```
Projected::fromSRID(Projected::EPSG_NAD27_GEORGIA_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Georgia CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Idaho Central

`Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Idaho CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Idaho East

`Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_EAST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Idaho CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Idaho West

```
Projected::fromSRID(Projected::EPSG_NAD27_IDAHO_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Idaho CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Illinois East

```
Projected::fromSRID(Projected::EPSG_NAD27_ILLINOIS_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Illinois CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Illinois West

```
Projected::fromSRID(Projected::EPSG_NAD27_ILLINOIS_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Illinois CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Indiana East

```
Projected::fromSRID(Projected::EPSG_NAD27_INDIANA_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Indiana CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Indiana West

```
Projected::fromSRID(Projected::EPSG_NAD27_INDIANA_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Indiana CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Iowa North

```
Projected::fromSRID(Projected::EPSG_NAD27_IOWA_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Iowa CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Iowa South

```
Projected::fromSRID(Projected::EPSG_NAD27_IOWA_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Iowa CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Kansas North

```
Projected::fromSRID(Projected::EPSG_NAD27_KANSAS_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Kansas CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Kansas South

`Projected::fromSRID(Projected::EPSG_NAD27_KANSAS_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Kansas CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Kentucky North

`Projected::fromSRID(Projected::EPSG_NAD27_KENTUCKY_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Kentucky CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Kentucky South

`Projected::fromSRID(Projected::EPSG_NAD27_KENTUCKY_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Kentucky CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(36.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Louisiana North

`Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Louisiana CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(30.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(31.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Louisiana Offshore

```
Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_OFFSHORE)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Louisiana CS27 Offshore zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Louisiana South

```
Projected::fromSRID(Projected::EPSG_NAD27_LOUISIANA_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Louisiana CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(28.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(29.3),`
	`  latitudeOf2ndStandardParallel: new Degree(30.7),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / MTM zone 1

`Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_1)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTM zone 10

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_10)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTM zone 2

```
Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_2)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTM zone 3

`Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_3)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTM zone 4

`Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_4)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTM zone 5

`Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_5)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTM zone 6

`Projected::fromSRID(Projected::EPSG_NAD27_MTM_ZONE_6)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / MTQ Lambert

`Projected::fromSRID(Projected::EPSG_NAD27_MTQ_LAMBERT)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Ministry of Transport of Quebec Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-70),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD27 / Maine East

`Projected::fromSRID(Projected::EPSG_NAD27_MAINE_EAST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Maine CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Maine West

`Projected::fromSRID(Projected::EPSG_NAD27_MAINE_WEST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Maine CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Maryland

`Projected::fromSRID(Projected::EPSG_NAD27_MARYLAND)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Maryland CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(38.3),`
	`  latitudeOf2ndStandardParallel: new Degree(39.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(800000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Massachusetts Island

`Projected::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_ISLAND)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Massachusetts CS27 Island zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(200000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Massachusetts Mainland

`Projected::fromSRID(Projected::EPSG_NAD27_MASSACHUSETTS_MAINLAND)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Massachusetts CS27 Mainland zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.683333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(600000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Michigan Central

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_CENTRAL)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Michigan CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SPMichigan(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.7),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0),`
	`  ellipsoidScalingFactor: new Unity(1.0000382)`
	`)`

NAD27 / Michigan East

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Michigan State Plane East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-83.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999942857),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Michigan North

`Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Michigan CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SPMichigan(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(45.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.083333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0),`
	`  ellipsoidScalingFactor: new Unity(1.0000382)`
	`)`

NAD27 / Michigan Old Central

`Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_OLD_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Michigan State Plane Old Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - old central
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Michigan South

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Michigan CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SPMichigan(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(42.1),`
	`  latitudeOf2ndStandardParallel: new Degree(43.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0),`
	`  ellipsoidScalingFactor: new Unity(1.0000382)`
	`)`

NAD27 / Michigan West

```
Projected::fromSRID(Projected::EPSG_NAD27_MICHIGAN_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Michigan State Plane West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Minnesota Central

`Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Minnesota CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(45.616666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(47.05),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Minnesota North

`Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Minnesota CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(47.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(48.633333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Minnesota South

`Projected::fromSRID(Projected::EPSG_NAD27_MINNESOTA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Minnesota CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(43.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Mississippi East

`Projected::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_EAST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Mississippi CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(29.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Mississippi West

`Projected::fromSRID(Projected::EPSG_NAD27_MISSISSIPPI_WEST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Mississippi CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Missouri Central

`Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Missouri CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Missouri East

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Missouri CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Missouri West

```
Projected::fromSRID(Projected::EPSG_NAD27_MISSOURI_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Missouri CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Montana Central

```
Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_CENTRAL)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Montana CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - SPCS27 - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(45.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.45),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Montana North

```
Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Montana CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(47.85),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Montana South

`Projected::fromSRID(Projected::EPSG_NAD27_MONTANA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Montana CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(46.4),`
	`  latitudeOf2ndStandardParallel: new Degree(44.866666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Nebraska North

`Projected::fromSRID(Projected::EPSG_NAD27_NEBRASKA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Nebraska CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(41.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(41.85),`
	`  latitudeOf2ndStandardParallel: new Degree(42.816666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Nebraska South

`Projected::fromSRID(Projected::EPSG_NAD27_NEBRASKA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Nebraska CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-99.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Nevada Central

`Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Nevada CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Nevada East

```
Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Nevada CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Nevada West

```
Projected::fromSRID(Projected::EPSG_NAD27_NEVADA_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Nevada CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New Brunswick Stereographic (NAD27)

`Projected::fromSRID(Projected::EPSG_NAD27_NEW_BRUNSWICK_STEREOGRAPHIC_NAD27)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New Brunswick Stereographic (NAD27)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Foot(1000000),`
	`  falseNorthing: new Foot(1000000)`
	`)`

NAD27 / New Hampshire

`Projected::fromSRID(Projected::EPSG_NAD27_NEW_HAMPSHIRE)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New Hampshire CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New Jersey

`Projected::fromSRID(Projected::EPSG_NAD27_NEW_JERSEY)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New Jersey CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(2000000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New Mexico Central

`Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New Mexico CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS27 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New Mexico East

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New Mexico CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New Mexico West

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_MEXICO_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New Mexico CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS27 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New York Central

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_CENTRAL)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New York CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New York East

```
Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_EAST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New York CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-74.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / New York Long Island

`Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_LONG_ISLAND)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New York CS27 Long Island zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(40.5),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(100000)`
	`)`

NAD27 / New York West

`Projected::fromSRID(Projected::EPSG_NAD27_NEW_YORK_WEST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: New York CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / North Carolina

`Projected::fromSRID(Projected::EPSG_NAD27_NORTH_CAROLINA)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: North Carolina CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(34.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / North Dakota North

`Projected::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: North Dakota CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(48.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / North Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD27_NORTH_DAKOTA_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: North Dakota CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(46.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Ohio North

```
Projected::fromSRID(Projected::EPSG_NAD27_OHIO_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Ohio CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.7),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Ohio South

`Projected::fromSRID(Projected::EPSG_NAD27_OHIO_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Ohio CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Oklahoma North

`Projected::fromSRID(Projected::EPSG_NAD27_OKLAHOMA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Oklahoma CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Oklahoma South

`Projected::fromSRID(Projected::EPSG_NAD27_OKLAHOMA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Oklahoma CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(33.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(35.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Oregon North

`Projected::fromSRID(Projected::EPSG_NAD27_OREGON_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Oregon CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Oregon South

`Projected::fromSRID(Projected::EPSG_NAD27_OREGON_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Oregon CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Pennsylvania North

`Projected::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Pennsylvania CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.95),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Pennsylvania South

`Projected::fromSRID(Projected::EPSG_NAD27_PENNSYLVANIA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Pennsylvania CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Quebec Lambert

`Projected::fromSRID(Projected::EPSG_NAD27_QUEBEC_LAMBERT)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD27 / Rhode Island

```
Projected::fromSRID(Projected::EPSG_NAD27_RHODE_ISLAND)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Rhode Island CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999938),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Shackleford

```
Projected::fromSRID(Projected::EPSG_NAD27_SHACKLEFORD)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Shackleford
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(31.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.916666666667),`
	`  eastingAtFalseOrigin: new Foot(3000000),`
	`  northingAtFalseOrigin: new Foot(3000000)`
	`)`

NAD27 / South Carolina North

`Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: South Carolina CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(33),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(33.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / South Carolina South

`Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_CAROLINA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: South Carolina CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(32.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / South Dakota North

`Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: South Dakota CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(44.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.683333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / South Dakota South

`Projected::fromSRID(Projected::EPSG_NAD27_SOUTH_DAKOTA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: South Dakota CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(42.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.4),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Tennessee

`Projected::fromSRID(Projected::EPSG_NAD27_TENNESSEE)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Tennessee CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(34.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(35.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(100000)`
	`)`

NAD27 / Texas Central

`Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Texas CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.116666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Texas North

`Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Texas CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(34.65),`
	`  latitudeOf2ndStandardParallel: new Degree(36.183333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Texas North Central

`Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_NORTH_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Texas CS27 North Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-97.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.133333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Texas South

`Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Texas CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(26.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(27.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Texas South Central

`Projected::fromSRID(Projected::EPSG_NAD27_TEXAS_SOUTH_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Texas CS27 South Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS27 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(28.383333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / US National Atlas Equal Area

```
Projected::fromSRID(Projected::EPSG_NAD27_US_NATIONAL_ATLAS_EQUAL_AREA)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: US National Atlas Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA
	`$point->lambertAzimuthalEqualAreaSpherical(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_10N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_11N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_12N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 13N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_13N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 14N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_14N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_15N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_16N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_17N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_18N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_19N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 1N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_1N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_20N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_21N)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_22N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 2N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_2N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 3N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_3N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_4N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 59N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_59N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_5N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 60N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_60N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 6N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_6N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_7N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_8N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD27_UTM_ZONE_9N)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27 / Utah Central

`Projected::fromSRID(Projected::EPSG_NAD27_UTAH_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Utah CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.016666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Utah North

```
Projected::fromSRID(Projected::EPSG_NAD27_UTAH_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Utah CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.716666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Utah South

```
Projected::fromSRID(Projected::EPSG_NAD27_UTAH_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Utah CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.35),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Vermont

```
Projected::fromSRID(Projected::EPSG_NAD27_VERMONT)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Vermont CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD27_VIRGINIA_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Virginia CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.2),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD27_VIRGINIA_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Virginia CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Washington North

```
Projected::fromSRID(Projected::EPSG_NAD27_WASHINGTON_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Washington CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS27 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(47.5),`
	`  latitudeOf2ndStandardParallel: new Degree(48.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Washington South

```
Projected::fromSRID(Projected::EPSG_NAD27_WASHINGTON_SOUTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Washington CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS27 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(45.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / West Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_NORTH)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: West Virginia CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(39),`
	`  latitudeOf2ndStandardParallel: new Degree(40.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / West Virginia South

`Projected::fromSRID(Projected::EPSG_NAD27_WEST_VIRGINIA_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: West Virginia CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(37.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Wisconsin Central

`Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_CENTRAL)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin CS27 Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Wisconsin North

`Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_NORTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin CS27 North zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(46.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Wisconsin South

`Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_SOUTH)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin CS27 South zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(42.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD27 / Wisconsin Transverse Mercator

`Projected::fromSRID(Projected::EPSG_NAD27_WISCONSIN_TRANSVERSE_MERCATOR)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-4500000)`
	`)`

NAD27 / Wyoming East

`Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST)`

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wyoming CS27 East zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Wyoming East Central

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_EAST_CENTRAL)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wyoming CS27 East Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Wyoming West

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wyoming CS27 West zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27 / Wyoming West Central

```
Projected::fromSRID(Projected::EPSG_NAD27_WYOMING_WEST_CENTRAL)
```

to NAD27 (Geographic2D)

EPSG	PHPCoord

Name: Wyoming CS27 West Central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27),`
	`  latitudeOfNaturalOrigin: new Degree(40.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD27(76) / MTM zone 10

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_10)
```

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 11

`Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_11)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 12

`Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_12)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 13

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_13)
```

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 14

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_14)
```

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 15

`Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_15)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 16

`Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_16)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 17

`Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_17)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 8

`Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_8)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / MTM zone 9

```
Projected::fromSRID(Projected::EPSG_NAD27_76_MTM_ZONE_9)
```

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_15N)
```

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_16N)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_17N)`

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(76) / UTM zone 18N

```
Projected::fromSRID(Projected::EPSG_NAD27_76_UTM_ZONE_18N)
```

to NAD27(76) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_76),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / Quebec Lambert

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_QUEBEC_LAMBERT)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 10

`Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_10)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 3

`Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_3)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 4

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_4)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 5

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_5)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 6

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_6)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 7

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_7)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 8

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_8)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / SCoPQ zone 9

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_SCOPQ_ZONE_9)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_17N)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_18N)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_19N)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_20N)`

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD27(CGQ77) / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_NAD27_CGQ77_UTM_ZONE_21N)
```

to NAD27(CGQ77) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD27_CGQ77),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alabama East

```
Projected::fromSRID(Projected::EPSG_NAD83_ALABAMA_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alabama West

```
Projected::fromSRID(Projected::EPSG_NAD83_ALABAMA_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ALBERS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alaska Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Alaska zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_1)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

NAD83 / Alaska zone 10

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_10)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 10 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Alaska zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_2)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_3)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_4)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_5)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_6)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 7

```
Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_7)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 7 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 8

`Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_8)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 8 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alaska zone 9

`Projected::fromSRID(Projected::EPSG_NAD83_ALASKA_ZONE_9)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 9 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alberta 10-TM (Forest)

`Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_10_TM_FOREST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Forest)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alberta 10-TM (Resource)

`Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_10_TM_RESOURCE)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Resource)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alberta 3TM ref merid 111 W

`Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_111_W)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alberta 3TM ref merid 114 W

`Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_114_W)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alberta 3TM ref merid 117 W

`Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_117_W)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Alberta 3TM ref merid 120 W

`Projected::fromSRID(Projected::EPSG_NAD83_ALBERTA_3TM_REF_MERID_120_W)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Arizona Central

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Arizona Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_CENTRAL_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83 / Arizona East

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Arizona East (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_EAST_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83 / Arizona West

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Arizona West (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_ARIZONA_WEST_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83 / Arkansas North

`Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Arkansas North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Arkansas South

`Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83 / Arkansas South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_ARKANSAS_SOUTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1312333.3333)`
	`)`

NAD83 / BC Albers

`Projected::fromSRID(Projected::EPSG_NAD83_BC_ALBERS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: British Columbia Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-126),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(58.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / BLM 10N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_10N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 10N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 11N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_11N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 11N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 12N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_12N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 12N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 13N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_13N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 13N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 14N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_14N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 14N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 102°W to 96°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 15N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_15N_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 15N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 96°W to 90°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 16N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_16N_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 16N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 90°W to 84°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 17N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_17N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 17N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 84°W to 78°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 18N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_18N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 18N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 19N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_19N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 19N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 1N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_1N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 1N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 180°W to 174°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 2N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_2N_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 2N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°W to 168°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 3N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_3N_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 3N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 168°W to 162°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 4N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_4N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 4N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 162°W to 156°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 59N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_59N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 59N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - west of 174°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 5N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_5N_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 5N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 156°W to 150°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 60N (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_BLM_60N_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 60N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 174°E to 180°E - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 6N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_6N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 6N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 150°W to 144°W - AK, OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 7N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_7N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 7N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 8N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_8N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 8N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / BLM 9N (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_BLM_9N_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 9N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / California Albers

`Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ALBERS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

NAD83 / California zone 1

`Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / California zone 1 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_1_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / California zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / California zone 2 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_2_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / California zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / California zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_3_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / California zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / California zone 4 (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_4_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / California zone 5

`Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / California zone 5 (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_5_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / California zone 6

`Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / California zone 6 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_CALIFORNIA_ZONE_6_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / Canada Atlas Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_CANADA_ATLAS_LAMBERT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Canada Atlas Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(-95),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Colorado Central

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83 / Colorado Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83 / Colorado North

`Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.`
	`↪716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83 / Colorado North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.`
	`↪716666666667),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1000000)`
	`)`

NAD83 / Colorado South

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83 / Colorado South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_COLORADO_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

NAD83 / Connecticut

`Projected::fromSRID(Projected::EPSG_NAD83_CONNECTICUT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

NAD83 / Connecticut (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_CONNECTICUT_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

NAD83 / Conus Albers

`Projected::fromSRID(Projected::EPSG_NAD83_CONUS_ALBERS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Delaware

`Projected::fromSRID(Projected::EPSG_NAD83_DELAWARE)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Delaware (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_DELAWARE_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Florida East

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Florida East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Florida GDL Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_GDL_ALBERS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Florida North

`Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Florida North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Florida West

`Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Florida West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_FLORIDA_WEST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Georgia East

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Georgia East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Georgia West

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Georgia West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_GEORGIA_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Great Lakes Albers

`Projected::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_ALBERS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Great Lakes Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Great Lakes basin
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.568977),`
	`  longitudeOfFalseOrigin: new Degree(-84.455955),`
	`  latitudeOf1stStandardParallel: new Degree(42.122774),`
	`  latitudeOf2ndStandardParallel: new Degree(49.01518),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Great Lakes and St Lawrence Albers

`Projected::fromSRID(Projected::EPSG_NAD83_GREAT_LAKES_AND_ST_LAWRENCE_ALBERS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Great Lakes and St Lawrence Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Great Lakes basin and St Lawrence Seaway
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.568977),`
	`  longitudeOfFalseOrigin: new Degree(-83.248627),`
	`  latitudeOf1stStandardParallel: new Degree(42.122774),`
	`  latitudeOf2ndStandardParallel: new Degree(49.01518),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Hawaii zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_1)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Hawaii zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_2)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Hawaii zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Hawaii zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_3_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Hawaii zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_4)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Hawaii zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_HAWAII_ZONE_5)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Idaho Central

`Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Idaho Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_CENTRAL_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Idaho East

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Idaho East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Idaho Transverse Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_TRANSVERSE_MERCATOR)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Idaho Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(1200000)`
	`)`

NAD83 / Idaho West

`Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Idaho West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_IDAHO_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Illinois East

```
Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Illinois East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_EAST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Illinois West

`Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Illinois West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_ILLINOIS_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Indiana East

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83 / Indiana East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83 / Indiana West

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83 / Indiana West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_INDIANA_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83 / Iowa North

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Iowa North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83 / Iowa South

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Iowa South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_IOWA_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Kansas LCC

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Kansas DOT Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Kansas LCC (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_LCC_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Kansas DOT Lambert (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Kansas North

`Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Kansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Kansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83 / Kansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_KANSAS_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83 / Kentucky North

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Kentucky North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Kentucky Single Zone

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Kentucky Single Zone (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SINGLE_ZONE_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83 / Kentucky South

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83 / Kentucky South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_KENTUCKY_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83 / Louisiana North

```
Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Louisiana North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.`
	`↪166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.`
	`↪3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Louisiana Offshore

`Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana Offshore zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(25.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.`
	`↪333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(27.`
	`↪833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.`
	`↪166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Louisiana Offshore (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_OFFSHORE_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana Offshore zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(25.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Louisiana South

`Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Louisiana South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_LOUISIANA_SOUTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / MTM zone 1

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_1)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 10

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_10)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 11

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_11)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 12

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_12)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 13

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_13)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 14

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_14)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 15

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_15)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 16

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_16)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 17

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_17)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_2)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 3

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_3)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_4)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_5)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 6

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_6)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 7

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_7)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 8

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_8)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTM zone 9

`Projected::fromSRID(Projected::EPSG_NAD83_MTM_ZONE_9)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / MTQ Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_MTQ_LAMBERT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Ministry of Transport of Quebec Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-70),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Maine CS2000 Central

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Maine CS2000 East

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Maine CS2000 West

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_CS2000_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Maine East

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Maine East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Maine West

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Maine West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MAINE_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Maryland

```
Projected::fromSRID(Projected::EPSG_NAD83_MARYLAND)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Maryland (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MARYLAND_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Massachusetts Island

```
Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.`
	`↪483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.`
	`↪283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Massachusetts Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_ISLAND_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.`
	`↪483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.`
	`↪283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.`
	`↪667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Massachusetts Mainland

`Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

NAD83 / Massachusetts Mainland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_MASSACHUSETTS_MAINLAND_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

NAD83 / Michigan Central

`Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Michigan Central (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_CENTRAL_FT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Michigan North

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Michigan North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_NORTH_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Michigan Oblique Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_OBLIQUE_MERCATOR)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

NAD83 / Michigan South

`Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Michigan South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_MICHIGAN_SOUTH_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Minnesota Central

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83 / Minnesota Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_CENTRAL_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83 / Minnesota North

`Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83 / Minnesota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83 / Minnesota South

```
Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83 / Minnesota South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_MINNESOTA_SOUTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83 / Mississippi East

`Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Mississippi East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Mississippi TM

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_TM)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

NAD83 / Mississippi West

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Mississippi West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSISSIPPI_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Missouri Central

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Missouri East

```
Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Missouri West

`Projected::fromSRID(Projected::EPSG_NAD83_MISSOURI_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Montana

`Projected::fromSRID(Projected::EPSG_NAD83_MONTANA)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Montana (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_MONTANA_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / NCRS Las Vegas (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(656166.6667)`
	`)`

NAD83 / NCRS Las Vegas (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_M)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NAD83 / NCRS Las Vegas high (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000135),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(1312333.3333)`
	`)`

NAD83 / NCRS Las Vegas high (m)

`Projected::fromSRID(Projected::EPSG_NAD83_NCRS_LAS_VEGAS_HIGH_M)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000135),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(400000)`
	`)`

NAD83 / NWT Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_NWT_LAMBERT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Northwest Territories Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NWT
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-112),`
	`  latitudeOf1stStandardParallel: new Degree(62),`
	`  latitudeOf2ndStandardParallel: new Degree(70),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Nebraska

`Projected::fromSRID(Projected::EPSG_NAD83_NEBRASKA)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Nebraska (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NEBRASKA_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Nevada Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

NAD83 / Nevada Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

NAD83 / Nevada East

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

NAD83 / Nevada East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

NAD83 / Nevada West

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

NAD83 / Nevada West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEVADA_WEST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

NAD83 / New Hampshire

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New Hampshire (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_HAMPSHIRE_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New Jersey

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New Jersey (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_JERSEY_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New Mexico Central

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New Mexico Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_CENTRAL_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New Mexico East

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New Mexico East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_EAST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New Mexico West

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New Mexico West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_MEXICO_WEST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New York Central

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New York Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_CENTRAL_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New York East

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New York East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_EAST_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / New York Long Island

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / New York Long Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_LONG_ISLAND_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / New York West

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / New York West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NEW_YORK_WEST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / North Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / North Carolina (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_CAROLINA_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / North Dakota North

`Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / North Dakota North (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_NORTH_FT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / North Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / North Dakota South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NORTH_DAKOTA_SOUTH_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Ohio North

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Ohio North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Ohio South

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Ohio South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_OHIO_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Oklahoma North

`Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Oklahoma North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Oklahoma South

```
Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Oklahoma South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_OKLAHOMA_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Ontario MNR Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_ONTARIO_MNR_LAMBERT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Ontario MNR Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-85),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(53.5),`
	`  eastingAtFalseOrigin: new Metre(930000),`
	`  northingAtFalseOrigin: new Metre(6430000)`
	`)`

NAD83 / Oregon GIC Lambert (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_OREGON_GIC_LAMBERT_FT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Oregon LCC (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_LCC_M)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Oregon North

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Oregon North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_NORTH_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Oregon South

```
Projected::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Oregon South (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_OREGON_SOUTH_FT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / Pennsylvania North

`Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Pennsylvania North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Pennsylvania South

`Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Pennsylvania South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_PENNSYLVANIA_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Puerto Rico & Virgin Is.

```
Projected::fromSRID(Projected::EPSG_NAD83_PUERTO_RICO_AND_VIRGIN_IS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83 / Quebec Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_QUEBEC_ALBERS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Quebec Albers Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Quebec Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_QUEBEC_LAMBERT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Rhode Island

`Projected::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Rhode Island (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_RHODE_ISLAND_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / South Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / South Carolina (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_CAROLINA_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83 / South Dakota North

`Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / South Dakota North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / South Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / South Dakota South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_SOUTH_DAKOTA_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Statistics Canada Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_STATISTICS_CANADA_LAMBERT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Statistics Canada Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(63.390675),`
	`  longitudeOfFalseOrigin: new Degree(-91.866666666667),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(6200000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83 / TWDB GM

```
Projected::fromSRID(Projected::EPSG_NAD83_TWDB_GM)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: TWDB Groundwater Modeling (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(31.25),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(19685000)`
	`)`

NAD83 / Tennessee

```
Projected::fromSRID(Projected::EPSG_NAD83_TENNESSEE)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Tennessee (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_TENNESSEE_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Teranet Ontario Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_TERANET_ONTARIO_LAMBERT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Teranet Ontario Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(54.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Texas Central

`Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83 / Texas Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

NAD83 / Texas Centric Albers Equal Area

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

NAD83 / Texas Centric Lambert Conformal

`Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_CENTRIC_LAMBERT_CONFORMAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83 / Texas North

`Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Texas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83 / Texas North Central

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83 / Texas North Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_NORTH_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

NAD83 / Texas South

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83 / Texas South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

NAD83 / Texas South Central

`Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

NAD83 / Texas South Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_SOUTH_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

NAD83 / Texas State Mapping System

```
Projected::fromSRID(Projected::EPSG_NAD83_TEXAS_STATE_MAPPING_SYSTEM)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Texas State Mapping System (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(31.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.916666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / USFS R6 Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_USFS_R6_ALBERS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: US Forest Service region 6 Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon and Washington
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(48),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_10N)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_11N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_12N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_13N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_14N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_15N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_16N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 17N

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_17N)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 18N

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_18N)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_19N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 1N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_1N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_20N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_21N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_22N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 23N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_23N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 24N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_24N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 2N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_2N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 3N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_3N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_4N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 59N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_59N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_5N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 60N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_60N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 6N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_6N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_7N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_8N)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / UTM zone 9N

```
Projected::fromSRID(Projected::EPSG_NAD83_UTM_ZONE_9N)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Utah Central

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83 / Utah Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(6561679.79)`
	`)`

NAD83 / Utah Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(6561666.6667)`
	`)`

NAD83 / Utah North

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Utah North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(3280839.895)`
	`)`

NAD83 / Utah North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83 / Utah South

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83 / Utah South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(9842519.685)`
	`)`

NAD83 / Utah South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_UTAH_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(9842500)`
	`)`

NAD83 / Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_VERMONT)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Vermont (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_VERMONT_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Virginia Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_LAMBERT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Virginia North

`Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83 / Virginia North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_NORTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

NAD83 / Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83 / Virginia South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_VIRGINIA_SOUTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83 / Washington North

`Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Washington North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Washington South

`Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Washington South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_WASHINGTON_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / West Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / West Virginia North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / West Virginia South

`Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / West Virginia South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_WEST_VIRGINIA_SOUTH_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Wisconsin Central

```
Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Wisconsin Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_CENTRAL_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Wisconsin North

`Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Wisconsin North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_NORTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Wisconsin South

`Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83 / Wisconsin South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_SOUTH_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83 / Wisconsin Transverse Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_WISCONSIN_TRANSVERSE_MERCATOR)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

NAD83 / Wyoming East

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Wyoming East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Wyoming East Central

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83 / Wyoming East Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_EAST_CENTRAL_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83 / Wyoming Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_LAMBERT)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Wyoming Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-107.5),`
	`  latitudeOf1stStandardParallel: new Degree(41),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83 / Wyoming West

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83 / Wyoming West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_FTUS)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83 / Wyoming West Central

`Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL)`

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83 / Wyoming West Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_WYOMING_WEST_CENTRAL_FTUS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83 / Yukon Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_YUKON_ALBERS)
```

to NAD83 (Geographic2D)

EPSG	PHPCoord

Name: Yukon Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Yukon
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83),`
	`  latitudeOfFalseOrigin: new Degree(59),`
	`  longitudeOfFalseOrigin: new Degree(-132.5),`
	`  latitudeOf1stStandardParallel: new Degree(61.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(68),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / Adjusted Jackson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ADJUSTED_JACKSON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Adjusted Jackson County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335322222),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296513889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new USSurveyFoot(88582.5),`
	`  falseNorthing: new USSurveyFoot(82020.833)`
	`)`

NAD83(2011) / Alabama East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alabama East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Alabama West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alabama West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALABAMA_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Alaska Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ALBERS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Alaska Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 1

`Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_1)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

NAD83(2011) / Alaska zone 10

`Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_10)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 10 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_2)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_3)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_4)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_5)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_6)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 7

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_7)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 7 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 8

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_8)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 8 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Alaska zone 9

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ALASKA_ZONE_9)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 9 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Amtrak NECCS21 (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_AMTRAK_NECCS21_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Amtrak North East Corridor Coordinate System 2021 (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Amtrak NE corridor
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(40.833333333333),`
	`  longitudeOfProjectionCentre: new Degree(-74),`
	`  azimuthOfInitialLine: new Degree(58),`
	`  angleFromRectifiedToSkewGrid: new Degree(58),`
	`  scaleFactorOnInitialLine: new Unity(0.99999),`
	`  eastingAtProjectionCentre: new Foot(1500000),`
	`  northingAtProjectionCentre: new Foot(1500000)`
	`)`

NAD83(2011) / Arizona Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Arizona Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_CENTRAL_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Arizona East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Arizona East (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_EAST_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Arizona West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Arizona West (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARIZONA_WEST_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Arkansas North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Arkansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Arkansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83(2011) / Arkansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ARKANSAS_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(2011) / California Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ALBERS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

NAD83(2011) / California zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / California zone 1 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_1_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / California zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / California zone 2 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_2_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / California zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / California zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_3_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / California zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / California zone 4 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_4_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / California zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / California zone 5 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_5_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / California zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / California zone 6 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CALIFORNIA_ZONE_6_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / Colorado Central

`Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(2011) / Colorado Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_CENTRAL_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83(2011) / Colorado North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(2011) / Colorado North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83(2011) / Colorado South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(2011) / Colorado South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_COLORADO_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83(2011) / Connecticut

`Projected::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

NAD83(2011) / Connecticut (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_CONNECTICUT_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

NAD83(2011) / Conus Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_CONUS_ALBERS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Delaware

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Delaware (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_DELAWARE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / EPSG Arctic zone 5-29

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_29)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 173°W to 153°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-163),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(2011) / EPSG Arctic zone 5-31

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_5_31)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 157°W to 137°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(2011) / EPSG Arctic zone 6-14

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_14)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 174°W to 156°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-165),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(2011) / EPSG Arctic zone 6-16

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_EPSG_ARCTIC_ZONE_6_16)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 156°W to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(2011) / Florida East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Florida East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Florida GDL Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_GDL_ALBERS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Florida North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Florida North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Florida West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Florida West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_FLORIDA_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Georgia East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Georgia East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Georgia West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Georgia West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_GEORGIA_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / ICS83-Aurora (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_AURORA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Aurora zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Boone, Dekalb, Kane, Kendall, McHenry
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new USSurveyFoot(3773000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Belleville (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BELLEVILLE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Belleville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Madison, Monroe, St Clair
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(32.35),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000016),`
	`  falseEasting: new USSurveyFoot(9678000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Bloomington (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_BLOOMINGTON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Bloomington zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - McLean
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000031),`
	`  falseEasting: new USSurveyFoot(3773000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

NAD83(2011) / ICS83-Carbondale (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARBONDALE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Carbondale zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Carbondale zone
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.9),`
	`  longitudeOfNaturalOrigin: new Degree(-88.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000012),`
	`  falseEasting: new USSurveyFoot(2395000),`
	`  falseNorthing: new USSurveyFoot(3773000)`
	`)`

NAD83(2011) / ICS83-Carlinville (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CARLINVILLE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Carlinville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Greene, Macoupin
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-90.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(5741000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

NAD83(2011) / ICS83-Champaign (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHAMPAIGN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Champaign zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Champaign, Vermilion
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(328000),`
	`  falseNorthing: new USSurveyFoot(2822000)`
	`)`

NAD83(2011) / ICS83-Charleston (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHARLESTON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Charleston zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Coles, Douglas, Edgar
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(3773000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

NAD83(2011) / ICS83-Chicago (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_CHICAGO_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Chicago zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Cook, DuPage, Lake
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-87.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(4757000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Decatur (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_DECATUR_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Decatur zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Dewitt, Macon, Moultrie, Piatt, Shelby
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.3),`
	`  longitudeOfNaturalOrigin: new Degree(-88.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000024),`
	`  falseEasting: new USSurveyFoot(9678000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Effingham (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EFFINGHAM_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Effingham zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Bond, Effingham, Fayette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.95),`
	`  longitudeOfNaturalOrigin: new Degree(-89),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000019),`
	`  falseEasting: new USSurveyFoot(7710000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

NAD83(2011) / ICS83-Eureka (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_EUREKA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Eureka zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Marshall, Woodford
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.45),`
	`  longitudeOfNaturalOrigin: new Degree(-89.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000025),`
	`  falseEasting: new USSurveyFoot(2756000),`
	`  falseNorthing: new USSurveyFoot(427000)`
	`)`

NAD83(2011) / ICS83-Freeport (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_FREEPORT_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Freeport zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Carroll, Jo Daviess, Stephenson
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.2),`
	`  longitudeOfNaturalOrigin: new Degree(-89.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000029),`
	`  falseEasting: new USSurveyFoot(1804000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

NAD83(2011) / ICS83-Galesburg (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_GALESBURG_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Galesburg zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Fulton, Knox, Stark
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.25),`
	`  longitudeOfNaturalOrigin: new Degree(-90.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(230000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Jacksonville (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JACKSONVILLE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Jacksonville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Morgan, Pike, Scott
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-90.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(1247000),`
	`  falseNorthing: new USSurveyFoot(2822000)`
	`)`

NAD83(2011) / ICS83-Jerseyville (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JERSEYVILLE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Jerseyville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Calhoun, Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(32.85),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000019),`
	`  falseEasting: new USSurveyFoot(4757000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Joliet (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_JOLIET_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Joliet zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Kankakee, Will
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(8694000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Lincoln (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_LINCOLN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Lincoln zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Cass, Logan, Mason, Menard
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-89.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000018),`
	`  falseEasting: new USSurveyFoot(8760000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

NAD83(2011) / ICS83-Macomb (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MACOMB_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Macomb zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Brown, McDonough, Schuyler
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.8),`
	`  longitudeOfNaturalOrigin: new Degree(-90.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000024),`
	`  falseEasting: new USSurveyFoot(7710000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Metropolis (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_METROPOLIS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Metropolis zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Metropolis zone
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.2),`
	`  longitudeOfNaturalOrigin: new Degree(-88.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new USSurveyFoot(3642000),`
	`  falseNorthing: new USSurveyFoot(3839000)`
	`)`

NAD83(2011) / ICS83-Moline (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOLINE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Moline zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Rock Island
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.55),`
	`  longitudeOfNaturalOrigin: new Degree(-90.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000024),`
	`  falseEasting: new USSurveyFoot(5741000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

NAD83(2011) / ICS83-Monmouth (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MONMOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Monmouth zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Henderson, Mercer, Warren
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.2),`
	`  longitudeOfNaturalOrigin: new Degree(-90.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(9678000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Mount Vernon (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_MOUNT_VERNON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Mount Vernon zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Clinton, Jefferson, Marion, Washington
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.45),`
	`  longitudeOfNaturalOrigin: new Degree(-89.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(328000),`
	`  falseNorthing: new USSurveyFoot(3773000)`
	`)`

NAD83(2011) / ICS83-Olney (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OLNEY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Olney zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Olney zone
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.55),`
	`  longitudeOfNaturalOrigin: new Degree(-88.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new USSurveyFoot(1247000),`
	`  falseNorthing: new USSurveyFoot(3773000)`
	`)`

NAD83(2011) / ICS83-Ottawa (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_OTTAWA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Ottawa zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Bureau, Grundy, LaSalle, Putnam
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.3),`
	`  longitudeOfNaturalOrigin: new Degree(-89.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(7743000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

NAD83(2011) / ICS83-Peoria (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PEORIA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Peoria zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Peoria, Tazewell
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.4),`
	`  longitudeOfNaturalOrigin: new Degree(-89.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(1378000),`
	`  falseNorthing: new USSurveyFoot(622000)`
	`)`

NAD83(2011) / ICS83-Pontiac (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_PONTIAC_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Pontiac zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Livingston
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-88.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(4757000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

NAD83(2011) / ICS83-Quincy (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_QUINCY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Quincy zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Adams, Hancock
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-91.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new USSurveyFoot(6726000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Robinson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROBINSON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Robinson zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Clark, Crawford, Cumberland, Jasper
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000017),`
	`  falseEasting: new USSurveyFoot(8694000),`
	`  falseNorthing: new USSurveyFoot(2756000)`
	`)`

NAD83(2011) / ICS83-Rockford (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_ROCKFORD_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Rockford zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Lee, Ogle, Winnebago
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-89.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new USSurveyFoot(2822000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Springfield (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_SPRINGFIELD_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Springfield zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Sangamon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.75),`
	`  longitudeOfNaturalOrigin: new Degree(-89.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(2329000),`
	`  falseNorthing: new USSurveyFoot(2887000)`
	`)`

NAD83(2011) / ICS83-Sterling (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_STERLING_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Sterling zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Henry, Whiteside
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.55),`
	`  longitudeOfNaturalOrigin: new Degree(-90.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(6726000),`
	`  falseNorthing: new USSurveyFoot(755000)`
	`)`

NAD83(2011) / ICS83-Taylorville (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_TAYLORVILLE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Taylorville zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Christian, Montgomery
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(33.15),`
	`  longitudeOfNaturalOrigin: new Degree(-89.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000023),`
	`  falseEasting: new USSurveyFoot(6726000),`
	`  falseNorthing: new USSurveyFoot(492000)`
	`)`

NAD83(2011) / ICS83-Watseka (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ICS83_WATSEKA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Illinois Coordinate System of 1983 Watseka zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - Ford, Iroquois
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000024),`
	`  falseEasting: new USSurveyFoot(5741000),`
	`  falseNorthing: new USSurveyFoot(1739000)`
	`)`

NAD83(2011) / IaRCS zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_1)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 1 Spencer
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Spencer
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.2),`
	`  longitudeOfNaturalOrigin: new Degree(-95.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000052),`
	`  falseEasting: new USSurveyFoot(11500000),`
	`  falseNorthing: new USSurveyFoot(9600000)`
	`)`

NAD83(2011) / IaRCS zone 10

`Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_10)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 10 Cedar Rapids
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Cedar Rapids
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(20500000),`
	`  falseNorthing: new USSurveyFoot(8000000)`
	`)`

NAD83(2011) / IaRCS zone 11

`Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_11)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 11 Dubuque-Davenport
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Dubuque-Davenport
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-90.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(21500000),`
	`  falseNorthing: new USSurveyFoot(7600000)`
	`)`

NAD83(2011) / IaRCS zone 12

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_12)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 12 Red Oak-Ottumwa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Red Oak-Ottumwa
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.`
	`↪916666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-93.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000037),`
	`  falseEasting: new USSurveyFoot(22500000),`
	`  falseNorthing: new USSurveyFoot(6200000)`
	`)`

NAD83(2011) / IaRCS zone 13

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_13)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 13 Fairfield
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Fairfield
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-91.`
	`↪916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(23500000),`
	`  falseNorthing: new USSurveyFoot(6400000)`
	`)`

NAD83(2011) / IaRCS zone 14

`Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_14)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 14 Burlington
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Burlington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-91.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000018),`
	`  falseEasting: new USSurveyFoot(24500000),`
	`  falseNorthing: new USSurveyFoot(6200000)`
	`)`

NAD83(2011) / IaRCS zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_2)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 2 Mason City
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Mason City
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-92.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new USSurveyFoot(12500000),`
	`  falseNorthing: new USSurveyFoot(9800000)`
	`)`

NAD83(2011) / IaRCS zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_3)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 3 Elkader
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Elkader
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-91.2),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035),`
	`  falseEasting: new USSurveyFoot(13500000),`
	`  falseNorthing: new USSurveyFoot(8300000)`
	`)`

NAD83(2011) / IaRCS zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_4)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 4 Sioux City-Iowa Falls
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Sioux City-Iowa Falls
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.533333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-94.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new USSurveyFoot(14500000),`
	`  falseNorthing: new USSurveyFoot(8600000)`
	`)`

NAD83(2011) / IaRCS zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_5)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 5 Waterloo
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Waterloo
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.65),`
	`  longitudeOfNaturalOrigin: new Degree(-92.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032),`
	`  falseEasting: new USSurveyFoot(15500000),`
	`  falseNorthing: new USSurveyFoot(8900000)`
	`)`

NAD83(2011) / IaRCS zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_6)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 6 Council Bluffs
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Council Bluffs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-95.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039),`
	`  falseEasting: new USSurveyFoot(16500000),`
	`  falseNorthing: new USSurveyFoot(6600000)`
	`)`

NAD83(2011) / IaRCS zone 7

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_7)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 7 Carroll-Atlantic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Carroll-Atlantic
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-94.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new USSurveyFoot(17500000),`
	`  falseNorthing: new USSurveyFoot(6800000)`
	`)`

NAD83(2011) / IaRCS zone 8

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_8)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 8 Ames-Des Moines
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Ames-Des Moines
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-93.716666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new USSurveyFoot(18500000),`
	`  falseNorthing: new USSurveyFoot(7000000)`
	`)`

NAD83(2011) / IaRCS zone 9

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IARCS_ZONE_9)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Iowa regional zone 9 Newton
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - Newton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.25),`
	`  longitudeOfNaturalOrigin: new Degree(-92.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(19500000),`
	`  falseNorthing: new USSurveyFoot(7200000)`
	`)`

NAD83(2011) / Idaho Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Idaho Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Idaho East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Idaho East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Idaho West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Idaho West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IDAHO_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Illinois East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Illinois East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Illinois West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Illinois West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_ILLINOIS_WEST_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / InGCS Adams (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Adams (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Adams
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Adams (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ADAMS_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Adams (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Adams
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Allen (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Allen (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Allen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Allen (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ALLEN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Allen (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Allen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Bartholomew (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Bartholomew (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Bartholomew
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Bartholomew (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BARTHOLOMEW_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Bartholomew (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Bartholomew
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Benton (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Benton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Benton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Benton (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BENTON_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Benton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Benton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Blackford-Delaware (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Blackford-Delaware (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Blackford and Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.05),`
	`  longitudeOfNaturalOrigin: new Degree(-85.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Blackford-Delaware (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BLACKFORD_DELAWARE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Blackford-Delaware (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Blackford and Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.05),`
	`  longitudeOfNaturalOrigin: new Degree(-85.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Boone-Hendricks (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Boone-Hendricks (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Boone and Hendricks
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Boone-Hendricks (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BOONE_HENDRICKS_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Boone-Hendricks (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Boone and Hendricks
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Brown (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Brown (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Brown
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Brown (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_BROWN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Brown (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Brown
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Carroll (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Carroll (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Carroll
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.4),`
	`  longitudeOfNaturalOrigin: new Degree(-86.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Carroll (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CARROLL_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Carroll (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Carroll
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.4),`
	`  longitudeOfNaturalOrigin: new Degree(-86.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Cass (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Cass (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Cass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-86.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Cass (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CASS_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Cass (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Cass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-86.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Clark-Floyd-Scott (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Clark-Floyd-Scott (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clark, Floyd, Scott
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-85.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000021),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Clark-Floyd-Scott (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLARK_FLOYD_SCOTT_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Clark-Floyd-Scott (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clark, Floyd, Scott
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-85.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000021),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Clay (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Clay (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Clay (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLAY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Clay (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Clinton (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Clinton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clinton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Clinton (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CLINTON_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Clinton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Clinton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Crawford-Lawrence-Orange (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CRAWFORD_LAWRENCE_ORANGE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Crawford-Lawrence-Orange (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Crawford, Lawrence, Orange
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.1),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Crawford-Lawrence-Orange (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_CRAWFORD_LAWRENCE_ORANGE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Crawford-Lawrence-Orange (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Crawford, Lawrence, Orange
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.1),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Daviess-Greene (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Daviess-Greene (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Daviess and Greene
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000018),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Daviess-Greene (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DAVIESS_GREENE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Daviess-Greene (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Daviess and Greene
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.45),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000018),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS DeKalb (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS DeKalb (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - DeKalb
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS DeKalb (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEKALB_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS DeKalb (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - DeKalb
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-84.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Dearborn-Ohio-Switzerland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEARBORN_OHIO_SWITZERLAND_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Dearborn-Ohio-Switzerland (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dearborn, Ohio, Switzerland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.65),`
	`  longitudeOfNaturalOrigin: new Degree(-84.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000029),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Dearborn-Ohio-Switzerland (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DEARBORN_OHIO_SWITZERLAND_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Dearborn-Ohio-Switzerland (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dearborn, Ohio, Switzerland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.65),`
	`  longitudeOfNaturalOrigin: new Degree(-84.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000029),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Decatur-Rush (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Decatur-Rush (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Decatur and Rush
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-85.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Decatur-Rush (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DECATUR_RUSH_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Decatur-Rush (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Decatur and Rush
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-85.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Dubois-Martin (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Dubois-Martin (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dubois and Martin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Dubois-Martin (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_DUBOIS_MARTIN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Dubois-Martin (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Dubois and Martin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Elkhart-Kosciusko-Wabash (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_WABASH_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Elkhart-Kosciusko-Wabash (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Elkhart, Kosciusko, Wabash
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Elkhart-Kosciusko-Wabash (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_ELKHART_KOSCIUSKO_WABASH_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Elkhart-Kosciusko-Wabash (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Elkhart, Kosciusko, Wabash
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Fayette-Franklin-Union (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_UNION_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Fayette-Franklin-Union (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fayette, Franklin, Union
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Fayette-Franklin-Union (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FAYETTE_FRANKLIN_UNION_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Fayette-Franklin-Union (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fayette, Franklin, Union
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Fountain-Warren (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Fountain-Warren (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fountain and Warren
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.95),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Fountain-Warren (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FOUNTAIN_WARREN_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Fountain-Warren (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fountain and Warren
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.95),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Fulton-Marshall-St. Joseph (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_JOSEPH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Fulton-Marshall-St. Joseph (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fulton, Marshall, St Joseph
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Fulton-Marshall-St. Joseph (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_FULTON_MARSHALL_ST_JOSEPH_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Fulton-Marshall-St. Joseph (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Fulton, Marshall, St Joseph
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Gibson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Gibson (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Gibson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Gibson (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GIBSON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Gibson (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Gibson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.15),`
	`  longitudeOfNaturalOrigin: new Degree(-87.65),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Grant (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Grant (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Grant
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-85.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Grant (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_GRANT_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Grant (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Grant
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-85.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Hamilton-Tipton (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Hamilton-Tipton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hamilton and Tipton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Hamilton-Tipton (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HAMILTON_TIPTON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Hamilton-Tipton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hamilton and Tipton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Hancock-Madison (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Hancock-Madison (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hancock and Madison
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Hancock-Madison (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HANCOCK_MADISON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Hancock-Madison (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Hancock and Madison
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000036),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Harrison-Washington (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Harrison-Washington (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Harrison and Washington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Harrison-Washington (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HARRISON_WASHINGTON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Harrison-Washington (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Harrison and Washington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Henry (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Henry (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Henry
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.75),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Henry (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HENRY_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Henry (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Henry
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.75),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Howard-Miami (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Howard-Miami (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Howard and Miami
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Howard-Miami (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HOWARD_MIAMI_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Howard-Miami (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Howard and Miami
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.35),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Huntington-Whitley (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Huntington-Whitley (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Huntington and Whitley
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Huntington-Whitley (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_HUNTINGTON_WHITLEY_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Huntington-Whitley (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Huntington and Whitley
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.65),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Jackson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jackson (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Jackson (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JACKSON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jackson (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Jasper-Porter (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jasper-Porter (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jasper and Porter
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Jasper-Porter (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JASPER_PORTER_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jasper-Porter (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jasper and Porter
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.1),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Jay (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jay (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Jay (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JAY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jay (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jay
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Jefferson (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jefferson (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jefferson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Jefferson (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JEFFERSON_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jefferson (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jefferson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Jennings (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jennings (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jennings
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.8),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Jennings (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JENNINGS_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Jennings (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Jennings
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.8),`
	`  longitudeOfNaturalOrigin: new Degree(-85.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Johnson-Marion (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Johnson-Marion (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Johnson and Marion
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Johnson-Marion (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_JOHNSON_MARION_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Johnson-Marion (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Johnson and Marion
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-86.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Knox (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Knox (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Knox
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Knox (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_KNOX_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Knox (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Knox
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS LaGrange-Noble (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS LaGrange-Noble (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaGrange and Noble
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000037),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS LaGrange-Noble (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAGRANGE_NOBLE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS LaGrange-Noble (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaGrange and Noble
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.25),`
	`  longitudeOfNaturalOrigin: new Degree(-85.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000037),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS LaPorte-Pulaski-Starke (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAPORTE_PULASKI_STARKE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS LaPorte-Pulaski-Starke (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaPorte, Pulaski, Starke
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS LaPorte-Pulaski-Starke (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAPORTE_PULASKI_STARKE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS LaPorte-Pulaski-Starke (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - LaPorte, Pulaski, Starke
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.9),`
	`  longitudeOfNaturalOrigin: new Degree(-86.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000027),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Lake-Newton (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Lake-Newton (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Lake and Newton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Lake-Newton (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_LAKE_NEWTON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Lake-Newton (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Lake and Newton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.7),`
	`  longitudeOfNaturalOrigin: new Degree(-87.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Monroe-Morgan (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Monroe-Morgan (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Monroe and Morgan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Monroe-Morgan (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONROE_MORGAN_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Monroe-Morgan (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Monroe and Morgan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.95),`
	`  longitudeOfNaturalOrigin: new Degree(-86.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000028),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Montgomery-Putnam (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONTGOMERY_PUTNAM_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Montgomery-Putnam (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Montgomery and Putnam
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.45),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Montgomery-Putnam (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_MONTGOMERY_PUTNAM_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Montgomery-Putnam (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Montgomery and Putnam
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.45),`
	`  longitudeOfNaturalOrigin: new Degree(-86.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Owen (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Owen (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Owen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Owen (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_OWEN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Owen (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Owen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.15),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Parke-Vermillion (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Parke-Vermillion (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Parke and Vermillion
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-87.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Parke-Vermillion (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PARKE_VERMILLION_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Parke-Vermillion (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Parke and Vermillion
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.6),`
	`  longitudeOfNaturalOrigin: new Degree(-87.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000022),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Perry (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Perry (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Perry
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-86.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Perry (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PERRY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Perry (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Perry
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-86.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Pike-Warrick (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Pike-Warrick (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Pike and Warrick
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.85),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Pike-Warrick (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_PIKE_WARRICK_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Pike-Warrick (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Pike and Warrick
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.85),`
	`  longitudeOfNaturalOrigin: new Degree(-87.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Posey (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Posey (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Posey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Posey (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_POSEY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Posey (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Posey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000013),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Randolph-Wayne (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Randolph-Wayne (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Randolph and Wayne
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000044),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Randolph-Wayne (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RANDOLPH_WAYNE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Randolph-Wayne (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Randolph and Wayne
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.7),`
	`  longitudeOfNaturalOrigin: new Degree(-85.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000044),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Ripley (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Ripley (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Ripley
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Ripley (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_RIPLEY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Ripley (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Ripley
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-85.3),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000038),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Shelby (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Shelby (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Shelby
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Shelby (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SHELBY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Shelby (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Shelby
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.3),`
	`  longitudeOfNaturalOrigin: new Degree(-85.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Spencer (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Spencer (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Spencer
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Spencer (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SPENCER_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Spencer (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Spencer
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-87.05),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000014),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Steuben (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Steuben (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Steuben
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000041),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Steuben (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_STEUBEN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Steuben (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Steuben
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000041),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Sullivan (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Sullivan (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Sullivan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000017),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Sullivan (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_SULLIVAN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Sullivan (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Sullivan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.9),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000017),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Tippecanoe-White (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Tippecanoe-White (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Tippecanoe and White
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Tippecanoe-White (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_TIPPECANOE_WHITE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Tippecanoe-White (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Tippecanoe and White
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.2),`
	`  longitudeOfNaturalOrigin: new Degree(-86.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000026),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Vanderburgh (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Vanderburgh (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vanderburgh
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Vanderburgh (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VANDERBURGH_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Vanderburgh (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vanderburgh
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.8),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Vigo (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Vigo (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vigo
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Vigo (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_VIGO_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Vigo (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Vigo
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.25),`
	`  longitudeOfNaturalOrigin: new Degree(-87.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / InGCS Wells (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Wells (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Wells
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(787400),`
	`  falseNorthing: new USSurveyFoot(118110)`
	`)`

NAD83(2011) / InGCS Wells (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INGCS_WELLS_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: InGCS Wells (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - Wells
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.55),`
	`  longitudeOfNaturalOrigin: new Degree(-85.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new Metre(240000),`
	`  falseNorthing: new Metre(36000)`
	`)`

NAD83(2011) / Indiana East

`Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83(2011) / Indiana East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83(2011) / Indiana West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83(2011) / Indiana West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_INDIANA_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83(2011) / Iowa North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(2011) / Iowa North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83(2011) / Iowa South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Iowa South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_IOWA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_1)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 1 Goodland (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Goodland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-101.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000156),`
	`  falseEasting: new USSurveyFoot(1500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 10

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_10)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 10 Atchison (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Atchison
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.633333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-95.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004),`
	`  falseEasting: new USSurveyFoot(10500000),`
	`  falseNorthing: new USSurveyFoot(700000)`
	`)`

NAD83(2011) / KS RCS zone 11

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_11)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 11 Kansas City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Kansas City
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.1),`
	`  longitudeOfNaturalOrigin: new Degree(-95.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000033),`
	`  falseEasting: new USSurveyFoot(11500000),`
	`  falseNorthing: new USSurveyFoot(600000)`
	`)`

NAD83(2011) / KS RCS zone 12

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_12)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 12 Ulysses (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Ulysses
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-101.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new USSurveyFoot(12500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 13

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_13)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 13 Garden City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Garden City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-100.4),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000109),`
	`  falseEasting: new USSurveyFoot(13500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 14

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_14)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 14 Dodge City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Dodge City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-99.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000097),`
	`  falseEasting: new USSurveyFoot(14500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 15

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_15)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 15 Larned (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Larned
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-99.2),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000087),`
	`  falseEasting: new USSurveyFoot(15500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 16

`Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_16)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 16 Pratt (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Pratt
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-98.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000069),`
	`  falseEasting: new USSurveyFoot(16500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 17

`Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_17)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 17 Wichita (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Wichita
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.766666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-97.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000059),`
	`  falseEasting: new USSurveyFoot(17500000),`
	`  falseNorthing: new USSurveyFoot(400000)`
	`)`

NAD83(2011) / KS RCS zone 18

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_18)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 18 Arkansas City (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Arkansas City
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.183333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-97.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000055),`
	`  falseEasting: new USSurveyFoot(18500000),`
	`  falseNorthing: new USSurveyFoot(200000)`
	`)`

NAD83(2011) / KS RCS zone 19

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_19)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 19 Coffeyville (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Coffeyville
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-95.966666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000034),`
	`  falseEasting: new USSurveyFoot(19500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_2)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 2 Colby (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Colby
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-100.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000134),`
	`  falseEasting: new USSurveyFoot(2500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 20

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_20)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 20 Pittsburg (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Pittsburg
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.75),`
	`  longitudeOfNaturalOrigin: new Degree(-95.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000031),`
	`  falseEasting: new USSurveyFoot(20500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_3)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 3 Oberlin (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Oberlin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-100.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000116),`
	`  falseEasting: new USSurveyFoot(3500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_4)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 4 Hays (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Hays
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-99.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000082),`
	`  falseEasting: new USSurveyFoot(4500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_5)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 5 Great Bend (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Great Bend
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-98.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000078),`
	`  falseEasting: new USSurveyFoot(5500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_6)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 6 Beliot (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Beloit
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-98.15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000068),`
	`  falseEasting: new USSurveyFoot(6500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 7

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_7)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 7 Salina (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Salina
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-97.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000049),`
	`  falseEasting: new USSurveyFoot(7500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / KS RCS zone 8

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_8)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 8 Manhattan (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Manhattan
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(39.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-96.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000044),`
	`  falseEasting: new USSurveyFoot(8500000),`
	`  falseNorthing: new USSurveyFoot(600000)`
	`)`

NAD83(2011) / KS RCS zone 9

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KS_RCS_ZONE_9)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas regional zone 9 Emporia (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - Emporia
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.5),`
	`  longitudeOfNaturalOrigin: new Degree(-96.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new USSurveyFoot(9500000),`
	`  falseNorthing: new USSurveyFoot(300000)`
	`)`

NAD83(2011) / Kansas LCC

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas DOT Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Kansas LCC (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_LCC_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Kansas DOT Lambert (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-98.25),`
	`  latitudeOf1stStandardParallel: new Degree(39.5),`
	`  latitudeOf2ndStandardParallel: new Degree(37.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Kansas North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Kansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Kansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83(2011) / Kansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KANSAS_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(2011) / Kentucky North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Kentucky North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_NORTH_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Kentucky Single Zone

`Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(2011) / Kentucky Single Zone (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SINGLE_ZONE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(2011) / Kentucky South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(2011) / Kentucky South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_KENTUCKY_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(2011) / Louisiana North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Louisiana North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Louisiana South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Louisiana South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_LOUISIANA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Maine CS2000 Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Maine CS2000 East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Maine CS2000 West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_CS2000_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Maine East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Maine East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Maine West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Maine West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MAINE_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Maryland

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Maryland (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MARYLAND_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Massachusetts Island

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Massachusetts Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_ISLAND_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Massachusetts Mainland

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

NAD83(2011) / Massachusetts Mainland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MASSACHUSETTS_MAINLAND_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

NAD83(2011) / Michigan Central

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Michigan Central (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_CENTRAL_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Michigan North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Michigan North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_NORTH_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Michigan Oblique Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_OBLIQUE_MERCATOR)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

NAD83(2011) / Michigan South

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Michigan South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MICHIGAN_SOUTH_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Minnesota Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(2011) / Minnesota Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83(2011) / Minnesota North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(2011) / Minnesota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.`
	`↪633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.`
	`↪033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.`
	`↪6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.`
	`↪3333)`
	`)`

NAD83(2011) / Minnesota South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.`
	`↪216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.`
	`↪783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(2011) / Minnesota South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MINNESOTA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83(2011) / Mississippi East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Mississippi East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Mississippi TM

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_TM)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

NAD83(2011) / Mississippi West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Mississippi West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSISSIPPI_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Missouri Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Missouri East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Missouri West

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MISSOURI_WEST)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Montana

`Projected::fromSRID(Projected::EPSG_NAD83_2011_MONTANA)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Montana (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_MONTANA_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / NCRS Las Vegas (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(656166.6667)`
	`)`

NAD83(2011) / NCRS Las Vegas (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NAD83(2011) / NCRS Las Vegas high (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_HIGH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000135),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(2011) / NCRS Las Vegas high (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_NCRS_LAS_VEGAS_HIGH_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: NCRS Las Vegas high elevation zone (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - Las Vegas high elevation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(36.25),`
	`  longitudeOfNaturalOrigin: new Degree(-114.96666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000135),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(400000)`
	`)`

NAD83(2011) / Nebraska

`Projected::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Nebraska (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEBRASKA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Nevada Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

NAD83(2011) / Nevada Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.`
	`↪66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

NAD83(2011) / Nevada East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

NAD83(2011) / Nevada East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

NAD83(2011) / Nevada West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

NAD83(2011) / Nevada West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEVADA_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

NAD83(2011) / New Hampshire

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New Hampshire (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_HAMPSHIRE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New Jersey

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New Jersey (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_JERSEY_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New Mexico Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New Mexico Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New Mexico East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New Mexico East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_EAST_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New Mexico West

`Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New Mexico West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_MEXICO_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New York Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New York Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New York East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New York East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New York Long Island

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / New York Long Island (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_LONG_ISLAND_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / New York West

`Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / New York West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NEW_YORK_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / North Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / North Carolina (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_CAROLINA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.`
	`↪166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / North Dakota North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.`
	`↪733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.`
	`↪433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / North Dakota North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_NORTH_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / North Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / North Dakota South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_NORTH_DAKOTA_SOUTH_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Ohio North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Ohio North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Ohio South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Ohio South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OHIO_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Oklahoma North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Oklahoma North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Oklahoma South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Oklahoma South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OKLAHOMA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Oregon Baker zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Baker zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Baker zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BAKER_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Baker zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Bend-Burns zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(393700.7874),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

NAD83(2011) / Oregon Bend-Burns zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_BURNS_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(120000),`
	`  falseNorthing: new Metre(60000)`
	`)`

NAD83(2011) / Oregon Bend-Klamath Falls zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_KLAMATH_FALLS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Bend-Klamath Falls zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_KLAMATH_FALLS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Bend-Redmond-Prineville zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(426509.1864)`
	`)`

NAD83(2011) / Oregon Bend-Redmond-Prineville zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(130000)`
	`)`

NAD83(2011) / Oregon Burns-Harper zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Burns-Harper zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Burns-Harper
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.`
	`↪66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Foot(295275.5906),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Burns-Harper zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_BURNS_HARPER_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Burns-Harper zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Burns-Harper
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Metre(90000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Canyon City-Burns zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYON_CITY_BURNS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Canyon City-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyon City-Burns
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00022),`
	`  falseEasting: new Foot(65616.7979),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Canyon City-Burns zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYON_CITY_BURNS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Canyon City-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyon City-Burns
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00022),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Canyonville-Grants Pass zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Canyonville-Grants Pass zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Coast Range North zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Coast Range North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Coast Range North
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.583333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(65616.7979)`
	`)`

NAD83(2011) / Oregon Coast Range North zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_RANGE_NORTH_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Coast Range North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Coast Range North
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.583333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(20000)`
	`)`

NAD83(2011) / Oregon Coast zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Coast zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(-984251.9685),`
	`  falseNorthing: new Foot(-15091863.5171)`
	`)`

NAD83(2011) / Oregon Coast zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COAST_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Coast zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(-300000),`
	`  falseNorthing: new Metre(-4600000)`
	`)`

NAD83(2011) / Oregon Columbia River East zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_EAST_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000008),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(98425.1969)`
	`)`

NAD83(2011) / Oregon Columbia River East zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_EAST_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000008),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(30000)`
	`)`

NAD83(2011) / Oregon Columbia River West zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_WEST_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(45.916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(22965879.2651),`
	`  falseNorthing: new Foot(-9842519.685)`
	`)`

NAD83(2011) / Oregon Columbia River West zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COLUMBIA_RIVER_WEST_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(45.`
	`↪916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(-3000000)`
	`)`

NAD83(2011) / Oregon Cottage Grove-Canyonville zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000023),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Cottage Grove-Canyonville zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Dayville-Prairie City zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DAYVILLE_PRAIRIE_CITY_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Dayville-Prairie City zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dayville-Prairie City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.63333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(65616.7979),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Dayville-Prairie City zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DAYVILLE_PRAIRIE_CITY_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Dayville-Prairie City zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dayville-Prairie City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.`
	`↪63333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Denio-Burns zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DENIO_BURNS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Denio-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Denio-Burns
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.`
	`↪41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Denio-Burns zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DENIO_BURNS_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Denio-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Denio-Burns
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Dufur-Madras zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DUFUR_MADRAS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Dufur-Madras zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_DUFUR_MADRAS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Eugene zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Eugene zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Eugene zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_EUGENE_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Eugene zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon GIC Lambert (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GIC_LAMBERT_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Oregon Grants Pass-Ashland zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_ASHLAND_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Grants Pass-Ashland zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRANTS_PASS_ASHLAND_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Gresham-Warm Springs zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_SPRINGS_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Foot(32808.399),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Gresham-Warm Springs zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_GRESHAM_WARM_SPRINGS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Metre(10000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Halfway zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Halfway zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Halfway
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000085),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(229658.7927)`
	`)`

NAD83(2011) / Oregon Halfway zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_HALFWAY_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Halfway zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Halfway
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000085),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(70000)`
	`)`

NAD83(2011) / Oregon LCC (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LCC_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Oregon La Grande zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon La Grande zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_LA_GRANDE_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Medford-Diamond Lake zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MEDFORD_DIAMOND_LAKE_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Medford-Diamond Lake zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Medford-Diamond Lake
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(-122.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(-196850.3937)`
	`)`

NAD83(2011) / Oregon Medford-Diamond Lake zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MEDFORD_DIAMOND_LAKE_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Medford-Diamond Lake zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Medford-Diamond Lake
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(-122.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00004),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(-60000)`
	`)`

NAD83(2011) / Oregon Mitchell zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Mitchell zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Mitchell
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(47),`
	`  longitudeOfNaturalOrigin: new Degree(-120.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99927),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(951443.5696)`
	`)`

NAD83(2011) / Oregon Mitchell zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_MITCHELL_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Mitchell zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Mitchell
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(47),`
	`  longitudeOfNaturalOrigin: new Degree(-120.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99927),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(290000)`
	`)`

NAD83(2011) / Oregon North

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Oregon North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Oregon North Central zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon North Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - North Central
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(459317.5853)`
	`)`

NAD83(2011) / Oregon North Central zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_NORTH_CENTRAL_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - North Central
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(140000)`
	`)`

NAD83(2011) / Oregon Ochoco Summit zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ochoco Summit zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ochoco Summit
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00006),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(-262467.1916)`
	`)`

NAD83(2011) / Oregon Ochoco Summit zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OCHOCO_SUMMIT_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ochoco Summit zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ochoco Summit
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00006),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(-80000)`
	`)`

NAD83(2011) / Oregon Ontario zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ontario zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Ontario zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_ONTARIO_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ontario zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Owyhee zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Owyhee zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Owyhee
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-117.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00018),`
	`  falseEasting: new Foot(229658.7927),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Owyhee zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_OWYHEE_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Owyhee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Owyhee
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-117.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00018),`
	`  falseEasting: new Metre(70000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Pendleton zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Pendleton zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Pendleton-La Grande zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_GRANDE_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000175),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Pendleton-La Grande zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PENDLETON_LA_GRANDE_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000175),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Pilot Rock-Ukiah zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PILOT_ROCK_UKIAH_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pilot Rock-Ukiah zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pilot Rock-Ukiah
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000025),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(426509.1864)`
	`)`

NAD83(2011) / Oregon Pilot Rock-Ukiah zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PILOT_ROCK_UKIAH_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pilot Rock-Ukiah zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pilot Rock-Ukiah
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.`
	`↪166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000025),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(130000)`
	`)`

NAD83(2011) / Oregon Portland zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PORTLAND_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Portland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000002),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(164041.9948)`
	`)`

NAD83(2011) / Oregon Portland zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PORTLAND_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Portland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000002),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(50000)`
	`)`

NAD83(2011) / Oregon Prairie City-Brogan zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PRAIRIE_CITY_BROGAN_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Prairie City-Brogan zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Prairie City-Brogan
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00017),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Prairie City-Brogan zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_PRAIRIE_CITY_BROGAN_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Prairie City-Brogan zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Prairie City-Brogan
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00017),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Riley-Lakeview zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_RILEY_LAKEVIEW_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Riley-Lakeview zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Riley-Lakeview
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-120.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪000215),`
	`  falseEasting: new Foot(229658.7927),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Riley-Lakeview zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_RILEY_LAKEVIEW_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Riley-Lakeview zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Riley-Lakeview
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-120.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000215),`
	`  falseEasting: new Metre(70000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Salem zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Salem zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Salem zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SALEM_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Salem zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Santiam Pass zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Foot(0),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Santiam Pass zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SANTIAM_PASS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Siskiyou Pass zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SISKIYOU_PASS_ZONE_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Siskiyou Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Siskiyou Pass
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00015),`
	`  falseEasting: new Foot(32808.399),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

NAD83(2011) / Oregon Siskiyou Pass zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SISKIYOU_PASS_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Siskiyou Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Siskiyou Pass
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00015),`
	`  falseEasting: new Metre(10000),`
	`  falseNorthing: new Metre(60000)`
	`)`

NAD83(2011) / Oregon South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Oregon South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_SOUTH_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / Oregon Ukiah-Fox zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ukiah-Fox zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ukiah-Fox
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(295275.5906)`
	`)`

NAD83(2011) / Oregon Ukiah-Fox zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_UKIAH_FOX_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ukiah-Fox zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ukiah-Fox
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00014),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(90000)`
	`)`

NAD83(2011) / Oregon Wallowa zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Wallowa zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Wallowa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000195),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Wallowa zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WALLOWA_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Wallowa zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Wallowa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000195),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Oregon Warner Highway zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Warner Highway zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Warner Highway
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000245),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

NAD83(2011) / Oregon Warner Highway zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WARNER_HIGHWAY_ZONE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Warner Highway zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Warner Highway
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000245),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(60000)`
	`)`

NAD83(2011) / Oregon Willamette Pass zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WILLAMETTE_PASS_ZONE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Willamette Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Willamette Pass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-122),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000223),`
	`  falseEasting: new Foot(65616.7979),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / Oregon Willamette Pass zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_OREGON_WILLAMETTE_PASS_ZONE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Willamette Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Willamette Pass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-122),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000223),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / PCCS zone 1 (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_1_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Pima County zone 1 East (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county east
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfProjectionCentre: new Degree(32.25),`
	`  longitudeOfProjectionCentre: new Degree(-111.4),`
	`  azimuthOfInitialLine: new Degree(45),`
	`  angleFromRectifiedToSkewGrid: new Degree(45),`
	`  scaleFactorOnInitialLine: new Unity(1.00011),`
	`  eastingAtProjectionCentre: new Foot(160000),`
	`  northingAtProjectionCentre: new Foot(800000)`
	`)`

NAD83(2011) / PCCS zone 2 (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_2_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Pima County zone 2 Central (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county central
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31.25),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00009),`
	`  falseEasting: new Foot(1800000),`
	`  falseNorthing: new Foot(1000000)`
	`)`

NAD83(2011) / PCCS zone 3 (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_3_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Pima County zone 3 West (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county west
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(31.5),`
	`  longitudeOfNaturalOrigin: new Degree(-113.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000055),`
	`  falseEasting: new Foot(600000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / PCCS zone 4 (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_PCCS_ZONE_4_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Pima County zone 4 Mt. Lemmon (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - Pima county Mt. Lemmon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Foot(30000),`
	`  falseNorthing: new Foot(-620000)`
	`)`

NAD83(2011) / Pennsylvania North

`Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Pennsylvania North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.`
	`↪166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.`
	`↪95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.`
	`↪883333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Pennsylvania South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.`
	`↪933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Pennsylvania South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PENNSYLVANIA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Puerto Rico and Virgin Is.

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_PUERTO_RICO_AND_VIRGIN_IS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83(2011) / RMTCRS Billings (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Billings (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Billings
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.783333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-108.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001515),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(164041.9948)`
	`)`

NAD83(2011) / RMTCRS Billings (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BILLINGS_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Billings (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Billings
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.783333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-108.41666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001515),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(50000)`
	`)`

NAD83(2011) / RMTCRS Blackfeet (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Blackfeet (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Blackfeet reservation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / RMTCRS Blackfeet (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BLACKFEET_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Blackfeet (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Blackfeet reservation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00019),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / RMTCRS Bobcat (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Bobcat (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Three Forks
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.25),`
	`  longitudeOfNaturalOrigin: new Degree(-111.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000185),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(328083.9895)`
	`)`

NAD83(2011) / RMTCRS Bobcat (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_BOBCAT_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Bobcat (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Three Forks
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.25),`
	`  longitudeOfNaturalOrigin: new Degree(-111.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000185),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(2011) / RMTCRS Crow (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Crow (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Crow reservation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.75),`
	`  longitudeOfNaturalOrigin: new Degree(-107.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000148),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / RMTCRS Crow (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_CROW_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Crow (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Crow reservation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.75),`
	`  longitudeOfNaturalOrigin: new Degree(-107.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000148),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / RMTCRS Fort Belknap (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Fort Belknap (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Belknap
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(492125.9843)`
	`)`

NAD83(2011) / RMTCRS Fort Belknap (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_BELKNAP_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Fort Belknap (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Belknap
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(150000)`
	`)`

NAD83(2011) / RMTCRS Fort Peck Assiniboine (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_ASSINIBOINE_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Fort Peck Assiniboine (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck higher areas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(656167.979),`
	`  falseNorthing: new Foot(328083.9895)`
	`)`

NAD83(2011) / RMTCRS Fort Peck Assiniboine (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_ASSINIBOINE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Fort Peck Assiniboine (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck higher areas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(2011) / RMTCRS Fort Peck Sioux (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Fort Peck Sioux (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck lower areas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00009),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(164041.9938)`
	`)`

NAD83(2011) / RMTCRS Fort Peck Sioux (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_FORT_PECK_SIOUX_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Fort Peck Sioux (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Fort Peck lower areas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.`
	`↪333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00009),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(50000)`
	`)`

NAD83(2011) / RMTCRS Milk River (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Milk River (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Milk River
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000145),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(656167.979)`
	`)`

NAD83(2011) / RMTCRS Milk River (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_MILK_RIVER_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Milk River (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - Milk River
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000145),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NAD83(2011) / RMTCRS St Mary (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_FT)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Blackfeet St Mary Valley (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - St Mary valley
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(2011) / RMTCRS St Mary (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_ST_MARY_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Montana Blackfeet St Mary Valley (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana - St Mary valley
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(48.5),`
	`  longitudeOfNaturalOrigin: new Degree(-112.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / RMTCRS Wind River (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Wyoming Wind River (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - Wind River reservation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-108.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00024),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / RMTCRS Wind River (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RMTCRS_WIND_RIVER_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Wyoming Wind River (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - Wind River reservation
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-108.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00024),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Rhode Island

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Rhode Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_RHODE_ISLAND_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / San Francisco CS13

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: City and County of San Francisco CS13 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - San Francisco Bay Area
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-122.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000007),`
	`  falseEasting: new Metre(48000),`
	`  falseNorthing: new Metre(24000)`
	`)`

NAD83(2011) / San Francisco CS13 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SAN_FRANCISCO_CS13_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: City and County of San Francisco CS13 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - San Francisco Bay Area
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(37.75),`
	`  longitudeOfNaturalOrigin: new Degree(-122.45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000007),`
	`  falseEasting: new USSurveyFoot(157480),`
	`  falseNorthing: new USSurveyFoot(78740)`
	`)`

NAD83(2011) / South Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / South Carolina (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_CAROLINA_FT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(2011) / South Dakota North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / South Dakota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / South Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / South Dakota South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_SOUTH_DAKOTA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Tennessee

`Projected::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Tennessee (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_TENNESSEE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Texas Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(2011) / Texas Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

NAD83(2011) / Texas Centric Albers Equal Area

`Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

NAD83(2011) / Texas Centric Lambert Conformal

`Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_CENTRIC_LAMBERT_CONFORMAL)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83(2011) / Texas North

`Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(2011) / Texas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(2011) / Texas North Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(2011) / Texas North Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_NORTH_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

NAD83(2011) / Texas South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83(2011) / Texas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

NAD83(2011) / Texas South Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

NAD83(2011) / Texas South Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_TEXAS_SOUTH_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

NAD83(2011) / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_10N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_11N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 12N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_12N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_13N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_14N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_15N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_16N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_17N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_18N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_19N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 1N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_1N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 2N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_2N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 3N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_3N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_4N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 59N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_59N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_5N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 60N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_60N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 6N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_6N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_7N)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 8N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_8N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / UTM zone 9N

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTM_ZONE_9N)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Utah Central

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(2011) / Utah Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_CENTRAL_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.6667)`
	`)`

NAD83(2011) / Utah North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(2011) / Utah North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(3280833.3333)`
	`)`

NAD83(2011) / Utah South

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(2011) / Utah South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_UTAH_SOUTH_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(9842500)`
	`)`

NAD83(2011) / Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VERMONT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Vermont (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VERMONT_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Virginia Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_LAMBERT)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(2011) / Virginia North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

NAD83(2011) / Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(2011) / Virginia South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_VIRGINIA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(2011) / WISCRS Adams and Juneau (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new USSurveyFoot(482999.999),`
	`  falseNorthing: new USSurveyFoot(0.012)`
	`)`

NAD83(2011) / WISCRS Adams and Juneau (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ADAMS_AND_JUNEAU_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new Metre(147218.6942),`
	`  falseNorthing: new Metre(0.0037)`
	`)`

NAD83(2011) / WISCRS Ashland (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Ashland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new USSurveyFoot(567000.001),`
	`  falseNorthing: new USSurveyFoot(0.006)`
	`)`

NAD83(2011) / WISCRS Ashland (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ASHLAND_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Ashland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new Metre(172821.9461),`
	`  falseNorthing: new Metre(0.0017)`
	`)`

NAD83(2011) / WISCRS Barron (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Barron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new USSurveyFoot(305609.625),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(2011) / WISCRS Barron (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BARRON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Barron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new Metre(93150),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

NAD83(2011) / WISCRS Bayfield (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Bayfield County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new USSurveyFoot(750000.001),`
	`  falseNorthing: new USSurveyFoot(487372.659)`
	`)`

NAD83(2011) / WISCRS Bayfield (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BAYFIELD_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Bayfield County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new Metre(228600.4575),`
	`  falseNorthing: new Metre(148551.4837)`
	`)`

NAD83(2011) / WISCRS Brown (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Brown County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(103674.333),`
	`  falseNorthing: new USSurveyFoot(15091.833)`
	`)`

NAD83(2011) / WISCRS Brown (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BROWN_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Brown County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(31600),`
	`  falseNorthing: new Metre(4600)`
	`)`

NAD83(2011) / WISCRS Buffalo (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Buffalo County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new USSurveyFoot(574999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

NAD83(2011) / WISCRS Buffalo (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BUFFALO_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Buffalo County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new Metre(175260.3502),`
	`  falseNorthing: new Metre(0.0048)`
	`)`

NAD83(2011) / WISCRS Burnett (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BURNETT_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Burnett County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000383841),`
	`  falseEasting: new USSurveyFoot(209999.999),`
	`  falseNorthing: new USSurveyFoot(195032.104)`
	`)`

NAD83(2011) / WISCRS Burnett (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_BURNETT_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Burnett County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000383841),`
	`  falseEasting: new Metre(64008.1276),`
	`  falseNorthing: new Metre(59445.9043)`
	`)`

NAD83(2011) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new USSurveyFoot(802999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

NAD83(2011) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new Metre(244754.8893),`
	`  falseNorthing: new Metre(0.0049)`
	`)`

NAD83(2011) / WISCRS Chippewa (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Chippewa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new USSurveyFoot(197000),`
	`  falseNorthing: new USSurveyFoot(144656.648)`
	`)`

NAD83(2011) / WISCRS Chippewa (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CHIPPEWA_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Chippewa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new Metre(60045.72),`
	`  falseNorthing: new Metre(44091.4346)`
	`)`

NAD83(2011) / WISCRS Clark (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Clark County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new USSurveyFoot(655999.997),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

NAD83(2011) / WISCRS Clark (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CLARK_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Clark County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new Metre(199949.1989),`
	`  falseNorthing: new Metre(0.0086)`
	`)`

NAD83(2011) / WISCRS Columbia (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Columbia County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003498),`
	`  falseEasting: new USSurveyFoot(554999.999),`
	`  falseNorthing: new USSurveyFoot(366041.307)`
	`)`

NAD83(2011) / WISCRS Columbia (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_COLUMBIA_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Columbia County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003498),`
	`  falseEasting: new Metre(169164.3381),`
	`  falseNorthing: new Metre(111569.6134)`
	`)`

NAD83(2011) / WISCRS Crawford (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CRAWFORD_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Crawford County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349151),`
	`  falseEasting: new USSurveyFoot(373000),`
	`  falseNorthing: new USSurveyFoot(176190.987)`
	`)`

NAD83(2011) / WISCRS Crawford (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_CRAWFORD_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Crawford County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349151),`
	`  falseEasting: new Metre(113690.6274),`
	`  falseNorthing: new Metre(53703.1201)`
	`)`

NAD83(2011) / WISCRS Dane (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dane County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new USSurveyFoot(811000),`
	`  falseNorthing: new USSurveyFoot(480943.886)`
	`)`

NAD83(2011) / WISCRS Dane (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DANE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dane County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new Metre(247193.2944),`
	`  falseNorthing: new Metre(146591.9896)`
	`)`

NAD83(2011) / WISCRS Dodge and Jefferson (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_JEFFERSON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new USSurveyFoot(863999.999),`
	`  falseNorthing: new USSurveyFoot(0.025)`
	`)`

NAD83(2011) / WISCRS Dodge and Jefferson (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DODGE_AND_JEFFERSON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new Metre(263347.7263),`
	`  falseNorthing: new Metre(0.0076)`
	`)`

NAD83(2011) / WISCRS Door (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Door County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new USSurveyFoot(521000),`
	`  falseNorthing: new USSurveyFoot(0.008)`
	`)`

NAD83(2011) / WISCRS Door (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOOR_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Door County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new Metre(158801.1176),`
	`  falseNorthing: new Metre(0.0023)`
	`)`

NAD83(2011) / WISCRS Douglas (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Douglas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new USSurveyFoot(194000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

NAD83(2011) / WISCRS Douglas (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DOUGLAS_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Douglas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new Metre(59131.3183),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

NAD83(2011) / WISCRS Dunn (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dunn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new USSurveyFoot(170000.001),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(2011) / WISCRS Dunn (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_DUNN_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dunn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new Metre(51816.104),`
	`  falseNorthing: new Metre(0.003)`
	`)`

NAD83(2011) / WISCRS Eau Claire (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(300812.797)`
	`)`

NAD83(2011) / WISCRS Eau Claire (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_EAU_CLAIRE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(91687.9239)`
	`)`

NAD83(2011) / WISCRS Florence (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Florence County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new USSurveyFoot(438000.004),`
	`  falseNorthing: new USSurveyFoot(0.021)`
	`)`

NAD83(2011) / WISCRS Florence (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FLORENCE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Florence County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new Metre(133502.6683),`
	`  falseNorthing: new Metre(0.0063)`
	`)`

NAD83(2011) / WISCRS Forest (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Forest County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new USSurveyFoot(905000.005),`
	`  falseNorthing: new USSurveyFoot(0.052)`
	`)`

NAD83(2011) / WISCRS Forest (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_FOREST_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Forest County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new Metre(275844.5533),`
	`  falseNorthing: new Metre(0.0157)`
	`)`

NAD83(2011) / WISCRS Grant (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Grant County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new USSurveyFoot(794999.998),`
	`  falseNorthing: new USSurveyFoot(0.033)`
	`)`

NAD83(2011) / WISCRS Grant (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GRANT_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Grant County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new Metre(242316.4841),`
	`  falseNorthing: new Metre(0.01)`
	`)`

NAD83(2011) / WISCRS Green Lake and Marquette (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_MARQUETTE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new USSurveyFoot(495000),`
	`  falseNorthing: new USSurveyFoot(259746.132)`
	`)`

NAD83(2011) / WISCRS Green Lake and Marquette (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_LAKE_AND_MARQUETTE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new Metre(150876.3018),`
	`  falseNorthing: new Metre(79170.7795)`
	`)`

NAD83(2011) / WISCRS Green and Lafayette (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_AND_LAFAYETTE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000390487),`
	`  falseEasting: new USSurveyFoot(558000),`
	`  falseNorthing: new USSurveyFoot(150361.559)`
	`)`

NAD83(2011) / WISCRS Green and Lafayette (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_GREEN_AND_LAFAYETTE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000390487),`
	`  falseEasting: new Metre(170078.7403),`
	`  falseNorthing: new Metre(45830.2947)`
	`)`

NAD83(2011) / WISCRS Iowa (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iowa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new USSurveyFoot(371000),`
	`  falseNorthing: new USSurveyFoot(0.015)`
	`)`

NAD83(2011) / WISCRS Iowa (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IOWA_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iowa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new Metre(113081.0261),`
	`  falseNorthing: new Metre(0.0045)`
	`)`

NAD83(2011) / WISCRS Iron (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new USSurveyFoot(725000),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

NAD83(2011) / WISCRS Iron (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_IRON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new Metre(220980.4419),`
	`  falseNorthing: new Metre(0.0085)`
	`)`

NAD83(2011) / WISCRS Jackson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Jackson County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new USSurveyFoot(88582.5),`
	`  falseNorthing: new USSurveyFoot(82020.833)`
	`)`

NAD83(2011) / WISCRS Jackson (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_JACKSON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Jackson County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new Metre(27000),`
	`  falseNorthing: new Metre(25000)`
	`)`

NAD83(2011) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000260649),`
	`  falseEasting: new USSurveyFoot(610000.003),`
	`  falseNorthing: new USSurveyFoot(0.003)`
	`)`

NAD83(2011) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000260649),`
	`  falseEasting: new Metre(185928.3728),`
	`  falseNorthing: new Metre(0.0009)`
	`)`

NAD83(2011) / WISCRS Kewaunee, Manitowoc and Sheboygan (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new USSurveyFoot(262000.006),`
	`  falseNorthing: new USSurveyFoot(0.004)`
	`)`

NAD83(2011) / WISCRS Kewaunee, Manitowoc and Sheboygan (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new Metre(79857.7614),`
	`  falseNorthing: new Metre(0.0012)`
	`)`

NAD83(2011) / WISCRS La Crosse (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS La Crosse County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new USSurveyFoot(427999.996),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

NAD83(2011) / WISCRS La Crosse (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LA_CROSSE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS La Crosse County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new Metre(130454.6598),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

NAD83(2011) / WISCRS Langlade (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LANGLADE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Langlade County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000627024),`
	`  falseEasting: new USSurveyFoot(651000),`
	`  falseNorthing: new USSurveyFoot(345405.421)`
	`)`

NAD83(2011) / WISCRS Langlade (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LANGLADE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Langlade County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000627024),`
	`  falseEasting: new Metre(198425.197),`
	`  falseNorthing: new Metre(105279.7829)`
	`)`

NAD83(2011) / WISCRS Lincoln (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Lincoln County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new USSurveyFoot(381000),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

NAD83(2011) / WISCRS Lincoln (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_LINCOLN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Lincoln County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new Metre(116129.0323),`
	`  falseNorthing: new Metre(0.0058)`
	`)`

NAD83(2011) / WISCRS Marathon (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARATHON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marathon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000053289),`
	`  falseEasting: new USSurveyFoot(245000),`
	`  falseNorthing: new USSurveyFoot(180607.47)`
	`)`

NAD83(2011) / WISCRS Marathon (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARATHON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marathon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000053289),`
	`  falseEasting: new Metre(74676.1493),`
	`  falseNorthing: new Metre(55049.2669)`
	`)`

NAD83(2011) / WISCRS Marinette (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marinette County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new USSurveyFoot(783000.007),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(2011) / WISCRS Marinette (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MARINETTE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marinette County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new Metre(238658.8794),`
	`  falseNorthing: new Metre(0.0032)`
	`)`

NAD83(2011) / WISCRS Menominee (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Menominee County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new USSurveyFoot(346000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(2011) / WISCRS Menominee (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MENOMINEE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Menominee County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new Metre(105461.0121),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

NAD83(2011) / WISCRS Monroe (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MONROE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Monroe County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000434122),`
	`  falseEasting: new USSurveyFoot(671000),`
	`  falseNorthing: new USSurveyFoot(400012.278)`
	`)`

NAD83(2011) / WISCRS Monroe (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_MONROE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Monroe County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000434122),`
	`  falseEasting: new Metre(204521.209),`
	`  falseNorthing: new Metre(121923.9861)`
	`)`

NAD83(2011) / WISCRS Oconto (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oconto County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new USSurveyFoot(600000.006),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

NAD83(2011) / WISCRS Oconto (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_OCONTO_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oconto County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new Metre(182880.3676),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

NAD83(2011) / WISCRS Oneida (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oneida County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new USSurveyFoot(230000),`
	`  falseNorthing: new USSurveyFoot(188936.744)`
	`)`

NAD83(2011) / WISCRS Oneida (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ONEIDA_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oneida County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new Metre(70104.1401),`
	`  falseNorthing: new Metre(57588.0346)`
	`)`

NAD83(2011) / WISCRS Pepin and Pierce (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PEPIN_AND_PIERCE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362977),`
	`  falseEasting: new USSurveyFoot(550000),`
	`  falseNorthing: new USSurveyFoot(282260.222)`
	`)`

NAD83(2011) / WISCRS Pepin and Pierce (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PEPIN_AND_PIERCE_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362977),`
	`  falseEasting: new Metre(167640.3354),`
	`  falseNorthing: new Metre(86033.0876)`
	`)`

NAD83(2011) / WISCRS Polk (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Polk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new USSurveyFoot(464999.996),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

NAD83(2011) / WISCRS Polk (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_POLK_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Polk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new Metre(141732.2823),`
	`  falseNorthing: new Metre(0.0059)`
	`)`

NAD83(2011) / WISCRS Portage (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PORTAGE_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Portage County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039936),`
	`  falseEasting: new USSurveyFoot(185000),`
	`  falseNorthing: new USSurveyFoot(164114.46)`
	`)`

NAD83(2011) / WISCRS Portage (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PORTAGE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Portage County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039936),`
	`  falseEasting: new Metre(56388.1128),`
	`  falseNorthing: new Metre(50022.1874)`
	`)`

NAD83(2011) / WISCRS Price (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Price County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new USSurveyFoot(747999.995),`
	`  falseNorthing: new USSurveyFoot(0.036)`
	`)`

NAD83(2011) / WISCRS Price (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_PRICE_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Price County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new Metre(227990.8546),`
	`  falseNorthing: new Metre(0.0109)`
	`)`

NAD83(2011) / WISCRS Richland (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RICHLAND_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Richland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000375653),`
	`  falseEasting: new USSurveyFoot(664000),`
	`  falseNorthing: new USSurveyFoot(440469.675)`
	`)`

NAD83(2011) / WISCRS Richland (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RICHLAND_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Richland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000375653),`
	`  falseEasting: new Metre(202387.6048),`
	`  falseNorthing: new Metre(134255.4253)`
	`)`

NAD83(2011) / WISCRS Rock (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rock County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new USSurveyFoot(480000),`
	`  falseNorthing: new USSurveyFoot(0.022)`
	`)`

NAD83(2011) / WISCRS Rock (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ROCK_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rock County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new Metre(146304.2926),`
	`  falseNorthing: new Metre(0.0068)`
	`)`

NAD83(2011) / WISCRS Rusk (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rusk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new USSurveyFoot(822000.001),`
	`  falseNorthing: new USSurveyFoot(0.077)`
	`)`

NAD83(2011) / WISCRS Rusk (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_RUSK_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rusk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new Metre(250546.1013),`
	`  falseNorthing: new Metre(0.0234)`
	`)`

NAD83(2011) / WISCRS Sauk (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sauk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new USSurveyFoot(609000.001),`
	`  falseNorthing: new USSurveyFoot(0.017)`
	`)`

NAD83(2011) / WISCRS Sauk (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAUK_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sauk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new Metre(185623.5716),`
	`  falseNorthing: new Metre(0.0051)`
	`)`

NAD83(2011) / WISCRS Sawyer (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sawyer County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new USSurveyFoot(711000.001),`
	`  falseNorthing: new USSurveyFoot(396108.667)`
	`)`

NAD83(2011) / WISCRS Sawyer (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SAWYER_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sawyer County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new Metre(216713.2336),`
	`  falseNorthing: new Metre(120734.1631)`
	`)`

NAD83(2011) / WISCRS Shawano (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Shawano County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new USSurveyFoot(861000.001),`
	`  falseNorthing: new USSurveyFoot(0.031)`
	`)`

NAD83(2011) / WISCRS Shawano (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_SHAWANO_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Shawano County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new Metre(262433.3253),`
	`  falseNorthing: new Metre(0.0096)`
	`)`

NAD83(2011) / WISCRS St. Croix (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS St. Croix County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new USSurveyFoot(542999.997),`
	`  falseNorthing: new USSurveyFoot(0.034)`
	`)`

NAD83(2011) / WISCRS St. Croix (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_ST_CROIX_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS St. Croix County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new Metre(165506.7302),`
	`  falseNorthing: new Metre(0.0103)`
	`)`

NAD83(2011) / WISCRS Taylor (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TAYLOR_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Taylor County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000597566),`
	`  falseEasting: new USSurveyFoot(614000),`
	`  falseNorthing: new USSurveyFoot(353499.136)`
	`)`

NAD83(2011) / WISCRS Taylor (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TAYLOR_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Taylor County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000597566),`
	`  falseEasting: new Metre(187147.5744),`
	`  falseNorthing: new Metre(107746.7522)`
	`)`

NAD83(2011) / WISCRS Trempealeau (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new USSurveyFoot(843000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

NAD83(2011) / WISCRS Trempealeau (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_TREMPEALEAU_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new Metre(256946.9138),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

NAD83(2011) / WISCRS Vernon (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vernon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new USSurveyFoot(730000),`
	`  falseNorthing: new USSurveyFoot(155944.768)`
	`)`

NAD83(2011) / WISCRS Vernon (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VERNON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vernon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new Metre(222504.4451),`
	`  falseNorthing: new Metre(47532.0602)`
	`)`

NAD83(2011) / WISCRS Vilas (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vilas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000730142),`
	`  falseEasting: new USSurveyFoot(441000),`
	`  falseNorthing: new USSurveyFoot(165147.666)`
	`)`

NAD83(2011) / WISCRS Vilas (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_VILAS_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vilas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(46.077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000730142),`
	`  falseEasting: new Metre(134417.0689),`
	`  falseNorthing: new Metre(50337.1092)`
	`)`

NAD83(2011) / WISCRS Walworth (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WALWORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Walworth County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000367192),`
	`  falseEasting: new USSurveyFoot(763000),`
	`  falseNorthing: new USSurveyFoot(364461.943)`
	`)`

NAD83(2011) / WISCRS Walworth (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WALWORTH_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Walworth County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000367192),`
	`  falseEasting: new Metre(232562.8651),`
	`  falseNorthing: new Metre(111088.2224)`
	`)`

NAD83(2011) / WISCRS Washburn (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHBURN_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washburn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000475376),`
	`  falseEasting: new USSurveyFoot(768000),`
	`  falseNorthing: new USSurveyFoot(617973.193)`
	`)`

NAD83(2011) / WISCRS Washburn (m)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHBURN_M)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washburn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(45.961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000475376),`
	`  falseEasting: new Metre(234086.8682),`
	`  falseNorthing: new Metre(188358.6058)`
	`)`

NAD83(2011) / WISCRS Washington (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washington County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new USSurveyFoot(394000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(2011) / WISCRS Washington (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WASHINGTON_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washington County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new Metre(120091.4415),`
	`  falseNorthing: new Metre(0.003)`
	`)`

NAD83(2011) / WISCRS Waukesha (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waukesha County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new USSurveyFoot(685000.001),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

NAD83(2011) / WISCRS Waukesha (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUKESHA_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waukesha County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new Metre(208788.418),`
	`  falseNorthing: new Metre(0.0034)`
	`)`

NAD83(2011) / WISCRS Waupaca (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUPACA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waupaca County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000333645),`
	`  falseEasting: new USSurveyFoot(607000.003),`
	`  falseNorthing: new USSurveyFoot(0.023)`
	`)`

NAD83(2011) / WISCRS Waupaca (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUPACA_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waupaca County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(43.420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000333645),`
	`  falseEasting: new Metre(185013.9709),`
	`  falseNorthing: new Metre(0.007)`
	`)`

NAD83(2011) / WISCRS Waushara (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUSHARA_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waushara County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000392096),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(147866.367)`
	`)`

NAD83(2011) / WISCRS Waushara (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WAUSHARA_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waushara County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000392096),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(45069.7587)`
	`)`

NAD83(2011) / WISCRS Wood (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Wood County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new USSurveyFoot(684000.001),`
	`  falseNorthing: new USSurveyFoot(441566.551)`
	`)`

NAD83(2011) / WISCRS Wood (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCRS_WOOD_M)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Wood County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new Metre(208483.6173),`
	`  falseNorthing: new Metre(134589.754)`
	`)`

NAD83(2011) / Washington North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Washington North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Washington South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Washington South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WASHINGTON_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / West Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / West Virginia North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / West Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / West Virginia South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WEST_VIRGINIA_SOUTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Wisconsin Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Wisconsin Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Wisconsin North

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Wisconsin North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_NORTH_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(45.`
	`↪166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.`
	`↪766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪566666666667),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Wisconsin South

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.`
	`↪066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.`
	`↪733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(2011) / Wisconsin South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_SOUTH_FTUS)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Wisconsin Transverse Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_2011_WISCONSIN_TRANSVERSE_MERCATOR)`

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

NAD83(2011) / Wyoming East

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Wyoming East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(2011) / Wyoming East Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(2011) / Wyoming East Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_EAST_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83(2011) / Wyoming West

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(2011) / Wyoming West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83(2011) / Wyoming West Central

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(2011) / Wyoming West Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_2011_WYOMING_WEST_CENTRAL_FTUS)
```

to NAD83(2011) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_2011),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(CORS96) / Oregon Baker zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Baker zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Baker zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BAKER_ZONE_M)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Baker zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Baker City
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-117.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00016),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Bend-Burns zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(393700.7874),`
	`  falseNorthing: new Foot(196850.3937)`
	`)`

NAD83(CORS96) / Oregon Bend-Burns zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_BURNS_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Burns zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Burns
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-119.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(120000),`
	`  falseNorthing: new Metre(60000)`
	`)`

NAD83(CORS96) / Oregon Bend-Klamath Falls zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_KLAMATH_FALLS_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Bend-Klamath Falls zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_KLAMATH_FALLS_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Klamath Falls zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Klamath Falls
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-121.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0002),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Bend-Redmond-Prineville zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(426509.1864)`
	`)`

NAD83(CORS96) / Oregon Bend-Redmond-Prineville zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_BEND_REDMOND_PRINEVILLE_ZONE_M)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Bend-Redmond-Prineville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Bend-Redmond-Prineville
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.`
	`↪666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-121.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00012),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(130000)`
	`)`

NAD83(CORS96) / Oregon Canyonville-Grants Pass zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Canyonville-Grants Pass zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_CANYONVILLE_GRANTS_PASS_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Canyonville-Grants Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Canyonville-Grants Pass
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00007),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Coast zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COAST_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Coast zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(-984251.9685),`
	`  falseNorthing: new Foot(-15091863.5171)`
	`)`

NAD83(CORS96) / Oregon Coast zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COAST_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Coast zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Oregon Coast
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfProjectionCentre: new Degree(44.75),`
	`  longitudeOfProjectionCentre: new Degree(-124.05),`
	`  azimuthOfInitialLine: new Degree(5),`
	`  angleFromRectifiedToSkewGrid: new Degree(5),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(-300000),`
	`  falseNorthing: new Metre(-4600000)`
	`)`

NAD83(CORS96) / Oregon Columbia River East zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_EAST_ZONE_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000008),`
	`  falseEasting: new Foot(492125.9843),`
	`  falseNorthing: new Foot(98425.1969)`
	`)`

NAD83(CORS96) / Oregon Columbia River East zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_EAST_ZONE_M)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River East
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-120.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000008),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(30000)`
	`)`

NAD83(CORS96) / Oregon Columbia River West zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_WEST_ZONE_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CORS96),`
	`  latitudeOfProjectionCentre: new Degree(45.`
	`↪916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Foot(22965879.2651),`
	`  falseNorthing: new Foot(-9842519.685)`
	`)`

NAD83(CORS96) / Oregon Columbia River West zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COLUMBIA_RIVER_WEST_ZONE_M)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Columbia River West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Columbia River West
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CORS96),`
	`  latitudeOfProjectionCentre: new Degree(45.`
	`↪916666666667),`
	`  longitudeOfProjectionCentre: new Degree(-123),`
	`  azimuthOfInitialLine: new Degree(295),`
	`  angleFromRectifiedToSkewGrid: new Degree(295),`
	`  scaleFactorOnInitialLine: new Unity(1),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(-3000000)`
	`)`

NAD83(CORS96) / Oregon Cottage Grove-Canyonville zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Cottage Grove-Canyonville zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_COTTAGE_GROVE_CANYONVILLE_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Cottage Grove-Canyonville zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Cottage Grove-Canyonville
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000023),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Dufur-Madras zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_DUFUR_MADRAS_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Dufur-Madras zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_DUFUR_MADRAS_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Dufur-Madras zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Dufur-Madras
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.5),`
	`  longitudeOfNaturalOrigin: new Degree(-121),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00011),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Eugene zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Eugene zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Eugene zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_EUGENE_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Eugene zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Eugene
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(43.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000015),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon GIC Lambert (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GIC_LAMBERT_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Grants Pass-Ashland zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_ASHLAND_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Grants Pass-Ashland zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRANTS_PASS_ASHLAND_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Grants Pass-Ashland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Grants Pass-Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(41.75),`
	`  longitudeOfNaturalOrigin: new Degree(-123.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000043),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Gresham-Warm Springs zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRESHAM_WARM_SPRINGS_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Foot(32808.399),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Gresham-Warm Springs zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_GRESHAM_WARM_SPRINGS_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Gresham-Warm Springs zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Gresham-Warm Springs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-122.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00005),`
	`  falseEasting: new Metre(10000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon LCC (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LCC_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon La Grande zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Foot(131233.5958),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon La Grande zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_LA_GRANDE_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(-118),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00013),`
	`  falseEasting: new Metre(40000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon North

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_NORTH_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Ontario zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_ONTARIO_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ontario zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Foot(262467.1916),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Ontario zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_ONTARIO_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Ontario zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Ontario
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(43.25),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0001),`
	`  falseEasting: new Metre(80000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Pendleton zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Foot(196850.3937),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Pendleton zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.25),`
	`  longitudeOfNaturalOrigin: new Degree(-119.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000045),`
	`  falseEasting: new Metre(60000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Pendleton-La Grande zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_GRANDE_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000175),`
	`  falseEasting: new Foot(98425.1969),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Pendleton-La Grande zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PENDLETON_LA_GRANDE_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Pendleton-La Grande zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Pendleton-La Grande
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-118.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000175),`
	`  falseEasting: new Metre(30000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Portland zone (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PORTLAND_ZONE_FT)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Portland zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000002),`
	`  falseEasting: new Foot(328083.9895),`
	`  falseNorthing: new Foot(164041.9948)`
	`)`

NAD83(CORS96) / Oregon Portland zone (m)

`Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_PORTLAND_ZONE_M)`

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Portland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Portland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(45.5),`
	`  longitudeOfNaturalOrigin: new Degree(-122.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000002),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(50000)`
	`)`

NAD83(CORS96) / Oregon Salem zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Salem zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Foot(164041.9948),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Salem zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SALEM_ZONE_M)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Salem zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Salem
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-123.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00001),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon Santiam Pass zone (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_ZONE_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Foot(0),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(CORS96) / Oregon Santiam Pass zone (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SANTIAM_PASS_ZONE_M)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Santiam Pass zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - Sweet Home-Sisters
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfNaturalOrigin: new Degree(44.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-122.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000155),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon South

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CORS96) / Oregon South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_OREGON_SOUTH_FT)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(CORS96) / Puerto Rico and Virgin Is.

```
Projected::fromSRID(Projected::EPSG_NAD83_CORS96_PUERTO_RICO_AND_VIRGIN_IS)
```

to NAD83(CORS96) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CORS96),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83(CSRS) / Alberta 10-TM (Forest)

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_FOREST)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Forest)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / Alberta 10-TM (Resource)

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_10_TM_RESOURCE)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Alberta 10-degree TM (Resource)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-115),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9992),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / Alberta 3TM ref merid 111 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_111_W)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / Alberta 3TM ref merid 114 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_114_W)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / Alberta 3TM ref merid 117 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_117_W)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / Alberta 3TM ref merid 120 W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ALBERTA_3TM_REF_MERID_120_W)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / BC Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_BC_ALBERS)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: British Columbia Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - British Columbia
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-126),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(58.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS) / Canada Atlas Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_CANADA_ATLAS_LAMBERT)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Canada Atlas Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(-95),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 1-23

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_1_23)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 120°W to 60°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(23500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 2-14

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_14)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 135°W to 95°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-115),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 2-16

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_2_16)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 95°W to 55°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-75),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 3-25

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_25)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 144°W to 114°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-129),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(25500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 3-27

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_27)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 114°W to 84°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(27500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 3-29

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_3_29)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 84°W to 54°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-69),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 4-14

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_14)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 141°W to 116°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(75.364403305556),`
	`  longitudeOfFalseOrigin: new Degree(-129),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 4-16

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_16)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 116°W to 91°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-104),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 4-18

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_4_18)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 91°W to 67°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(18500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 5-33

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_33)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 141°W to 121°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-131),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(33500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 5-35

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_35)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 121°W to 101°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(35500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 5-37

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_37)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 101°W to 81°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-91),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(37500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 5-39

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_5_39)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 81°W to 61°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-71),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(39500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 6-18

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_18)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 141°W to 122°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-132),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(18500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 6-20

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_20)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 122°W to 103°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-113),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(20500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 6-22

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_22)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 103°W to 84°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(22500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(CSRS) / EPSG Arctic zone 6-24

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_EPSG_ARCTIC_ZONE_6_24)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 84°W to 65°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-75),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(24500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(CSRS) / MTM zone 1

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_1)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 10

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_10)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 11

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_11)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 12

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_12)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 13

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_13)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 14

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_14)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 15

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_15)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 16

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_16)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 17

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_17)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_2)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 3

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_3)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 4

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_4)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 5

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_5)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 6

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_6)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 7

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_7)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 8

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_8)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTM zone 9

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTM_ZONE_9)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / MTQ Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_MTQ_LAMBERT)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Ministry of Transport of Quebec Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-70),`
	`  latitudeOf1stStandardParallel: new Degree(50),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS) / NWT Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_NWT_LAMBERT)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Northwest Territories Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - NWT
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-112),`
	`  latitudeOf1stStandardParallel: new Degree(62),`
	`  latitudeOf2ndStandardParallel: new Degree(70),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS) / New Brunswick Stereographic

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_NEW_BRUNSWICK_STEREOGRAPHIC)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: New Brunswick Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(7500000)`
	`)`

NAD83(CSRS) / Ontario MNR Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_ONTARIO_MNR_LAMBERT)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Ontario MNR Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-85),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(53.5),`
	`  eastingAtFalseOrigin: new Metre(930000),`
	`  northingAtFalseOrigin: new Metre(6430000)`
	`)`

NAD83(CSRS) / Prince Edward Isl. Stereographic (NAD83)

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_PRINCE_EDWARD_ISL_STEREOGRAPHIC_NAD83)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NAD83(CSRS) / Statistics Canada Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_STATISTICS_CANADA_LAMBERT)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Statistics Canada Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(63.390675),`
	`  longitudeOfFalseOrigin: new Degree(-91.866666666667),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(6200000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(CSRS) / Teranet Ontario Lambert

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_TERANET_ONTARIO_LAMBERT)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Teranet Ontario Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(44.5),`
	`  latitudeOf2ndStandardParallel: new Degree(54.5),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_10N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_11N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_12N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_13N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_14N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_15N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_16N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_17N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_18N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_19N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_20N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_21N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_22N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 23N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_23N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 24N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_24N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_7N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_8N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_UTM_ZONE_9N)`

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS) / Yukon Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_YUKON_ALBERS)
```

to NAD83(CSRS) (Geographic2D)

EPSG	PHPCoord

Name: Yukon Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Yukon
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS),`
	`  latitudeOfFalseOrigin: new Degree(59),`
	`  longitudeOfFalseOrigin: new Degree(-132.5),`
	`  latitudeOf1stStandardParallel: new Degree(61.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(68),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(CSRS)v2 / Alberta 3TM ref merid 111 W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_111_W)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / Alberta 3TM ref merid 114 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_114_W)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / Alberta 3TM ref merid 117 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_117_W)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / Alberta 3TM ref merid 120 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_ALBERTA_3TM_REF_MERID_120_W)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / NB Stereographic

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_NB_STEREOGRAPHIC)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: New Brunswick Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - New Brunswick
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(46.5),`
	`  longitudeOfNaturalOrigin: new Degree(-66.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(7500000)`
	`)`

NAD83(CSRS)v2 / PEI Stereographic

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_PEI_STEREOGRAPHIC)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NAD83(CSRS)v2 / Quebec Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_ALBERS)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Quebec Albers Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS)v2 / Quebec Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_QUEBEC_LAMBERT)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: Quebec Lambert Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(-68.5),`
	`  latitudeOf1stStandardParallel: new Degree(60),`
	`  latitudeOf2ndStandardParallel: new Degree(46),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 10

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_10)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 3

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_3)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 4

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_4)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 5

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_5)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 6

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_6)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 7

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_7)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec - 72°W to 69°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 8

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_8)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / SCoPQ zone 9

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_SCOPQ_ZONE_9)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_10N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_11N)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 12N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_12N)
```

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_13N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_14N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_15N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_16N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_17N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_18N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_19N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_20N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_21N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_22N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_7N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_8N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v2 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V2_UTM_ZONE_9N)`

to NAD83(CSRS)v2 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V2),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM NS 1997 zone 4

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_4)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM Nova Scotia 1997 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - east of 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM NS 1997 zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_NS_1997_ZONE_5)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM Nova Scotia 1997 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - west of 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 10

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_10)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 11

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_11)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 12

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_12)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 13

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_13)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 14

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_14)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 15

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_15)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 16

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_16)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 17

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_17)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 8

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_8)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / MTM zone 9

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_MTM_ZONE_9)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_10N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_11N)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 12N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_12N)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_13N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_14N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_15N)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_16N)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_17N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_18N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 19N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_19N)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_20N)
```

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_21N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_22N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_7N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_8N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v3 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V3_UTM_ZONE_9N)`

to NAD83(CSRS)v3 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V3),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / Alberta 3TM ref merid 111 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_111_W)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / Alberta 3TM ref merid 114 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_114_W)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / Alberta 3TM ref merid 117 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_117_W)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / Alberta 3TM ref merid 120 W

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_ALBERTA_3TM_REF_MERID_120_W)
```

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_10N)
```

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_11N)
```

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 12N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_12N)
```

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_13N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_14N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_15N)
```

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_16N)
```

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_17N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_18N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_19N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_20N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_21N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_22N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_7N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_8N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v4 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V4_UTM_ZONE_9N)`

to NAD83(CSRS)v4 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V4),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM NS 2010 zone 4

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_4)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM Nova Scotia 2010 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - east of 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM NS 2010 zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_NS_2010_ZONE_5)
```

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM Nova Scotia 2010 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Nova Scotia - west of 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_1)
```

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland - east of 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-53),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 10

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_10)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - MTM zone 10
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-79.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 11

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_11)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 11
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-82.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 12

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_12)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 12
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 13

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_13)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - MTM zone 13
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-84),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 14

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_14)
```

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 88.5°W to 85.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 15

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_15)
```

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 91.5°W to 88.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 16

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_16)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - 94.5°W to 91.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 17

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_17)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Ontario - west of 94.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-96),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_2)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Newfoundland and Labrador - 57.5°W to 54.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-56),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 3

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_3)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec, Newfoundland and Labrador - MTM zone 3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-58.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 4

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_4)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 63°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-61.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 5

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_5)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 66°W to 63°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-64.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 6

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_6)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Labrador - 69°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-67.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 8

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_8)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 75°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-73.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / MTM zone 9

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_MTM_ZONE_9)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: MTM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Quebec and Ontario - 78°W to 75°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-76.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(304800),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / PEI Stereographic

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_PEI_STEREOGRAPHIC)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NAD83(CSRS)v6 / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_10N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_11N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_12N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_13N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_14N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_15N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_16N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_17N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_18N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_19N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_20N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_21N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_22N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_7N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_8N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v6 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V6_UTM_ZONE_9N)`

to NAD83(CSRS)v6 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V6),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / Alberta 3TM ref merid 111 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_111_W)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 111 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - east of 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / Alberta 3TM ref merid 114 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_114_W)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 114 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 115.5°W to 112.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / Alberta 3TM ref merid 117 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_117_W)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 117 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - 118.5°W to 115.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / Alberta 3TM ref merid 120 W

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_ALBERTA_3TM_REF_MERID_120_W)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: Alberta 3-degree TM reference meridian 120 W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Alberta - west of 118.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-120),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / PEI Stereographic

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_PEI_STEREOGRAPHIC)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: Prince Edward Isl. Stereographic (NAD83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - Prince Edward Island
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(47.25),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999912),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NAD83(CSRS)v7 / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_10N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_11N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_12N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_13N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_14N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_15N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_16N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_17N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_18N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_19N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_20N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_21N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_22N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_7N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_8N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v7 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V7_UTM_ZONE_9N)`

to NAD83(CSRS)v7 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V7),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_10N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_11N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_12N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_13N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_14N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_15N)
```

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_16N)
```

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_17N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_18N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_19N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_20N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_21N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_22N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_7N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_8N)`

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(CSRS)v8 / UTM zone 9N

```
Projected::fromSRID(Projected::EPSG_NAD83_CSRS_V8_UTM_ZONE_9N)
```

to NAD83(CSRS)v8 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_CSRS_V8),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Alabama East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Alabama West

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_ALABAMA_WEST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Arizona Central

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Arizona Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_CENTRAL_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(HARN) / Arizona East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Arizona East (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_EAST_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(HARN) / Arizona West

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Arizona West (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARIZONA_WEST_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(HARN) / Arkansas North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Arkansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Arkansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83(HARN) / Arkansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ARKANSAS_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(HARN) / California Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ALBERS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

NAD83(HARN) / California zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / California zone 1 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_1_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / California zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / California zone 2 (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_2_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / California zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / California zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_3_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / California zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / California zone 4 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_4_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / California zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / California zone 5 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_5_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / California zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / California zone 6 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CALIFORNIA_ZONE_6_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / Colorado Central

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(HARN) / Colorado Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_CENTRAL_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83(HARN) / Colorado North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(HARN) / Colorado North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.716666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83(HARN) / Colorado South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(HARN) / Colorado South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_COLORADO_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.233333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(1000000)`
	`)`

NAD83(HARN) / Connecticut

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

NAD83(HARN) / Connecticut (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONNECTICUT_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

NAD83(HARN) / Conus Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_CONUS_ALBERS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Delaware

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Delaware (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_DELAWARE_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Florida East

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Florida East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Florida GDL Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_GDL_ALBERS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Florida North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Florida North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Florida West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Florida West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_FLORIDA_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Georgia East

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Georgia East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_EAST_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Georgia West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Georgia West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_GEORGIA_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Guam Map Grid

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_GUAM_MAP_GRID)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Guam Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(13.5),`
	`  longitudeOfNaturalOrigin: new Degree(144.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NAD83(HARN) / Hawaii zone 1

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_1)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Hawaii zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_2)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Hawaii zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Hawaii zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_3_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Hawaii zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_4)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Hawaii zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_HAWAII_ZONE_5)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Idaho Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Idaho Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Idaho East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Idaho East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Idaho West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Idaho West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IDAHO_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Illinois East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Illinois East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Illinois West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Illinois West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_ILLINOIS_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Indiana East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83(HARN) / Indiana East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83(HARN) / Indiana West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83(HARN) / Indiana West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_INDIANA_WEST_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83(HARN) / Iowa North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(HARN) / Iowa North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83(HARN) / Iowa South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Iowa South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_IOWA_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Kansas North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Kansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Kansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83(HARN) / Kansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KANSAS_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(HARN) / Kentucky North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Kentucky North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Kentucky Single Zone

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(HARN) / Kentucky Single Zone (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SINGLE_ZONE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(HARN) / Kentucky South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(HARN) / Kentucky South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_KENTUCKY_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(HARN) / Louisiana North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Louisiana North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_NORTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Louisiana South

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Louisiana South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_LOUISIANA_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Maine CS2000 Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Maine CS2000 East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Maine CS2000 West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_CS2000_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Maine East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Maine East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Maine West

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Maine West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MAINE_WEST_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Maryland

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Maryland (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MARYLAND_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Massachusetts Island

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Massachusetts Island (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_ISLAND_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Massachusetts Mainland

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

NAD83(HARN) / Massachusetts Mainland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MASSACHUSETTS_MAINLAND_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

NAD83(HARN) / Michigan Central

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Michigan Central (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_CENTRAL_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Michigan North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Michigan North (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_NORTH_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Michigan Oblique Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_OBLIQUE_MERCATOR)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

NAD83(HARN) / Michigan South

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Michigan South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MICHIGAN_SOUTH_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Minnesota Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(HARN) / Minnesota Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83(HARN) / Minnesota North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(HARN) / Minnesota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83(HARN) / Minnesota South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(HARN) / Minnesota South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MINNESOTA_SOUTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83(HARN) / Mississippi East

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Mississippi East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Mississippi TM

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_TM)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

NAD83(HARN) / Mississippi West

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Mississippi West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSISSIPPI_WEST_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Missouri Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Missouri East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Missouri West

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MISSOURI_WEST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Montana

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Montana (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_MONTANA_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Nebraska

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Nebraska (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEBRASKA_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Nevada Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

NAD83(HARN) / Nevada Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

NAD83(HARN) / Nevada East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

NAD83(HARN) / Nevada East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

NAD83(HARN) / Nevada West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

NAD83(HARN) / Nevada West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEVADA_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

NAD83(HARN) / New Hampshire

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New Hampshire (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_HAMPSHIRE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New Jersey

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New Jersey (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_JERSEY_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New Mexico Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New Mexico Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_CENTRAL_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New Mexico East

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.`
	`↪33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New Mexico East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New Mexico West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New Mexico West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_MEXICO_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New York Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New York Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New York East

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New York East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New York Long Island

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / New York Long Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_LONG_ISLAND_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / New York West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / New York West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NEW_YORK_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / North Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / North Carolina (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_CAROLINA_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / North Dakota North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / North Dakota North (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_NORTH_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / North Dakota South

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / North Dakota South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_NORTH_DAKOTA_SOUTH_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Ohio North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Ohio North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Ohio South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Ohio South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OHIO_SOUTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Oklahoma North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Oklahoma North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Oklahoma South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Oklahoma South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OKLAHOMA_SOUTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Oregon GIC Lambert (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_GIC_LAMBERT_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Oregon LCC (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_LCC_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Oregon North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Oregon North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_NORTH_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Oregon South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Oregon South (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_OREGON_SOUTH_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / Pennsylvania North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Pennsylvania North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_NORTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Pennsylvania South

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Pennsylvania South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PENNSYLVANIA_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Puerto Rico and Virgin Is.

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_PUERTO_RICO_AND_VIRGIN_IS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83(HARN) / Rhode Island

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Rhode Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_RHODE_ISLAND_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / South Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(31.`
	`↪833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.`
	`↪833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.`
	`↪5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / South Carolina (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_CAROLINA_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(31.`
	`↪833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.`
	`↪833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.`
	`↪5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(HARN) / South Dakota North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / South Dakota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / South Dakota South

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / South Dakota South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_SOUTH_DAKOTA_SOUTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Tennessee

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Tennessee (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_TENNESSEE_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Texas Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(HARN) / Texas Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

NAD83(HARN) / Texas Centric Albers Equal Area

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

NAD83(HARN) / Texas Centric Lambert Conformal

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_CENTRIC_LAMBERT_CONFORMAL)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83(HARN) / Texas North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(HARN) / Texas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(HARN) / Texas North Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(HARN) / Texas North Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_NORTH_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

NAD83(HARN) / Texas South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83(HARN) / Texas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

NAD83(HARN) / Texas South Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

NAD83(HARN) / Texas South Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_TEXAS_SOUTH_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(13123333.333)`
	`)`

NAD83(HARN) / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_10N)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_11N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_12N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_13N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_14N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_15N)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_16N)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_17N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_18N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_19N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 2S

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_2S)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NAD83(HARN) / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_4N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTM_ZONE_5N)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Utah Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(HARN) / Utah Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(6561679.79)`
	`)`

NAD83(HARN) / Utah Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.6667)`
	`)`

NAD83(HARN) / Utah North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(HARN) / Utah North (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FT)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(3280839.895)`
	`)`

NAD83(HARN) / Utah North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_NORTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83(HARN) / Utah South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(HARN) / Utah South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(9842519.685)`
	`)`

NAD83(HARN) / Utah South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_UTAH_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

NAD83(HARN) / Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Vermont (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VERMONT_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Virginia Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_LAMBERT)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(HARN) / Virginia North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(6561666.667)`
	`)`

NAD83(HARN) / Virginia South

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(HARN) / Virginia South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_VIRGINIA_SOUTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(3280833.333)`
	`)`

NAD83(HARN) / WISCRS Adams and Juneau (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new USSurveyFoot(482999.999),`
	`  falseNorthing: new USSurveyFoot(0.012)`
	`)`

NAD83(HARN) / WISCRS Adams and Juneau (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ADAMS_AND_JUNEAU_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Adams and Juneau Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Adams and Juneau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.366666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000365285),`
	`  falseEasting: new Metre(147218.6942),`
	`  falseNorthing: new Metre(0.0037)`
	`)`

NAD83(HARN) / WISCRS Ashland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Ashland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new USSurveyFoot(567000.001),`
	`  falseNorthing: new USSurveyFoot(0.006)`
	`)`

NAD83(HARN) / WISCRS Ashland (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ASHLAND_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Ashland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Ashland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.706111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.622222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495683),`
	`  falseEasting: new Metre(172821.9461),`
	`  falseNorthing: new Metre(0.0017)`
	`)`

NAD83(HARN) / WISCRS Barron (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Barron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new USSurveyFoot(305609.625),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(HARN) / WISCRS Barron (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BARRON_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Barron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Barron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.133333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000486665),`
	`  falseEasting: new Metre(93150),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

NAD83(HARN) / WISCRS Bayfield (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Bayfield County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new USSurveyFoot(750000.001),`
	`  falseNorthing: new USSurveyFoot(487372.659)`
	`)`

NAD83(HARN) / WISCRS Bayfield (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BAYFIELD_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Bayfield County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Bayfield
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(46.669648377222),`
	`  longitudeOfNaturalOrigin: new Degree(-91.152777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000331195),`
	`  falseEasting: new Metre(228600.4575),`
	`  falseNorthing: new Metre(148551.4837)`
	`)`

NAD83(HARN) / WISCRS Brown (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Brown County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new USSurveyFoot(103674.333),`
	`  falseNorthing: new USSurveyFoot(15091.833)`
	`)`

NAD83(HARN) / WISCRS Brown (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BROWN_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Brown County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Brown
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43),`
	`  longitudeOfNaturalOrigin: new Degree(-88),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00002),`
	`  falseEasting: new Metre(31600),`
	`  falseNorthing: new Metre(4600)`
	`)`

NAD83(HARN) / WISCRS Buffalo (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Buffalo County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new USSurveyFoot(574999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

NAD83(HARN) / WISCRS Buffalo (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BUFFALO_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Buffalo County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Buffalo
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.481388888889),`
	`  longitudeOfNaturalOrigin: new Degree(-91.797222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000382778),`
	`  falseEasting: new Metre(175260.3502),`
	`  falseNorthing: new Metre(0.0048)`
	`)`

NAD83(HARN) / WISCRS Burnett (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BURNETT_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Burnett County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000383841),`
	`  falseEasting: new USSurveyFoot(209999.999),`
	`  falseNorthing: new USSurveyFoot(195032.104)`
	`)`

NAD83(HARN) / WISCRS Burnett (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_BURNETT_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Burnett County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Burnett
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.898714865833),`
	`  longitudeOfNaturalOrigin: new Degree(-92.457777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000383841),`
	`  falseEasting: new Metre(64008.1276),`
	`  falseNorthing: new Metre(59445.9043)`
	`)`

NAD83(HARN) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new USSurveyFoot(802999.999),`
	`  falseNorthing: new USSurveyFoot(0.016)`
	`)`

NAD83(HARN) / WISCRS Calumet, Fond du Lac, Outagamie and Winnebago (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CALUMET_FOND_DU_LAC_OUTAGAMIE_AND_WINNEBAGO_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Calumet, Fond du Lac, Outagamie and Winnebago Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Calumet, Fond du Lac, Outagamie and Winnebago
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.719444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000286569),`
	`  falseEasting: new Metre(244754.8893),`
	`  falseNorthing: new Metre(0.0049)`
	`)`

NAD83(HARN) / WISCRS Chippewa (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Chippewa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new USSurveyFoot(197000),`
	`  falseNorthing: new USSurveyFoot(144656.648)`
	`)`

NAD83(HARN) / WISCRS Chippewa (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CHIPPEWA_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Chippewa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Chippewa
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.977856898611),`
	`  longitudeOfNaturalOrigin: new Degree(-91.294444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000391127),`
	`  falseEasting: new Metre(60045.72),`
	`  falseNorthing: new Metre(44091.4346)`
	`)`

NAD83(HARN) / WISCRS Clark (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Clark County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new USSurveyFoot(655999.997),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

NAD83(HARN) / WISCRS Clark (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CLARK_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Clark County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Clark
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.6),`
	`  longitudeOfNaturalOrigin: new Degree(-90.708333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000463003),`
	`  falseEasting: new Metre(199949.1989),`
	`  falseNorthing: new Metre(0.0086)`
	`)`

NAD83(HARN) / WISCRS Columbia (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_COLUMBIA_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Columbia County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003498),`
	`  falseEasting: new USSurveyFoot(554999.999),`
	`  falseNorthing: new USSurveyFoot(366041.307)`
	`)`

NAD83(HARN) / WISCRS Columbia (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_COLUMBIA_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Columbia County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Columbia
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.462546645833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.394444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003498),`
	`  falseEasting: new Metre(169164.3381),`
	`  falseNorthing: new Metre(111569.6134)`
	`)`

NAD83(HARN) / WISCRS Crawford (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Crawford County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349151),`
	`  falseEasting: new USSurveyFoot(373000),`
	`  falseNorthing: new USSurveyFoot(176190.987)`
	`)`

NAD83(HARN) / WISCRS Crawford (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_CRAWFORD_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Crawford County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Crawford
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.200055605),`
	`  longitudeOfNaturalOrigin: new Degree(-90.938888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349151),`
	`  falseEasting: new Metre(113690.6274),`
	`  falseNorthing: new Metre(53703.1201)`
	`)`

NAD83(HARN) / WISCRS Dane (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dane County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new USSurveyFoot(811000),`
	`  falseNorthing: new USSurveyFoot(480943.886)`
	`)`

NAD83(HARN) / WISCRS Dane (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DANE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dane County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dane
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.0695160375),`
	`  longitudeOfNaturalOrigin: new Degree(-89.422222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000384786),`
	`  falseEasting: new Metre(247193.2944),`
	`  falseNorthing: new Metre(146591.9896)`
	`)`

NAD83(HARN) / WISCRS Dodge and Jefferson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_JEFFERSON_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new USSurveyFoot(863999.999),`
	`  falseNorthing: new USSurveyFoot(0.025)`
	`)`

NAD83(HARN) / WISCRS Dodge and Jefferson (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DODGE_AND_JEFFERSON_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dodge and Jefferson Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dodge and Jefferson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.472222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-88.775),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346418),`
	`  falseEasting: new Metre(263347.7263),`
	`  falseNorthing: new Metre(0.0076)`
	`)`

NAD83(HARN) / WISCRS Door (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Door County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new USSurveyFoot(521000),`
	`  falseNorthing: new USSurveyFoot(0.008)`
	`)`

NAD83(HARN) / WISCRS Door (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOOR_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Door County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Door
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.4),`
	`  longitudeOfNaturalOrigin: new Degree(-87.272222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000187521),`
	`  falseEasting: new Metre(158801.1176),`
	`  falseNorthing: new Metre(0.0023)`
	`)`

NAD83(HARN) / WISCRS Douglas (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Douglas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new USSurveyFoot(194000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

NAD83(HARN) / WISCRS Douglas (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DOUGLAS_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Douglas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Douglas
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.883333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.916666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000385418),`
	`  falseEasting: new Metre(59131.3183),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

NAD83(HARN) / WISCRS Dunn (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dunn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new USSurveyFoot(170000.001),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(HARN) / WISCRS Dunn (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_DUNN_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Dunn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Dunn
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.408333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000410324),`
	`  falseEasting: new Metre(51816.104),`
	`  falseNorthing: new Metre(0.003)`
	`)`

NAD83(HARN) / WISCRS Eau Claire (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(300812.797)`
	`)`

NAD83(HARN) / WISCRS Eau Claire (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_EAU_CLAIRE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Eau Claire County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Eau Claire
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.872281126389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.288888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035079),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(91687.9239)`
	`)`

NAD83(HARN) / WISCRS Florence (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Florence County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new USSurveyFoot(438000.004),`
	`  falseNorthing: new USSurveyFoot(0.021)`
	`)`

NAD83(HARN) / WISCRS Florence (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FLORENCE_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Florence County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Florence
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.438888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-88.141666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000552095),`
	`  falseEasting: new Metre(133502.6683),`
	`  falseNorthing: new Metre(0.0063)`
	`)`

NAD83(HARN) / WISCRS Forest (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Forest County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new USSurveyFoot(905000.005),`
	`  falseNorthing: new USSurveyFoot(0.052)`
	`)`

NAD83(HARN) / WISCRS Forest (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_FOREST_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Forest County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Forest
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.005555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000673004),`
	`  falseEasting: new Metre(275844.5533),`
	`  falseNorthing: new Metre(0.0157)`
	`)`

NAD83(HARN) / WISCRS Grant (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Grant County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new USSurveyFoot(794999.998),`
	`  falseNorthing: new USSurveyFoot(0.033)`
	`)`

NAD83(HARN) / WISCRS Grant (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GRANT_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Grant County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Grant
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.411111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-90.8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000349452),`
	`  falseEasting: new Metre(242316.4841),`
	`  falseNorthing: new Metre(0.01)`
	`)`

NAD83(HARN) / WISCRS Green Lake and Marquette (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_MARQUETTE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new USSurveyFoot(495000),`
	`  falseNorthing: new USSurveyFoot(259746.132)`
	`)`

NAD83(HARN) / WISCRS Green Lake and Marquette (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_LAKE_AND_MARQUETTE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green Lake and Marquette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green Lake and Marquette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.807000117778),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000344057),`
	`  falseEasting: new Metre(150876.3018),`
	`  falseNorthing: new Metre(79170.7795)`
	`)`

NAD83(HARN) / WISCRS Green and Lafayette (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_AND_LAFAYETTE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000390487),`
	`  falseEasting: new USSurveyFoot(558000),`
	`  falseNorthing: new USSurveyFoot(150361.559)`
	`)`

NAD83(HARN) / WISCRS Green and Lafayette (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_GREEN_AND_LAFAYETTE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Green and Lafayette Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Green and Lafayette
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.`
	`↪637562276944),`
	`  longitudeOfNaturalOrigin: new Degree(-89.`
	`↪838888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.`
	`↪0000390487),`
	`  falseEasting: new Metre(170078.7403),`
	`  falseNorthing: new Metre(45830.2947)`
	`)`

NAD83(HARN) / WISCRS Iowa (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iowa County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new USSurveyFoot(371000),`
	`  falseNorthing: new USSurveyFoot(0.015)`
	`)`

NAD83(HARN) / WISCRS Iowa (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IOWA_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iowa County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iowa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.538888888889),`
	`  longitudeOfNaturalOrigin: new Degree(-90.161111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000394961),`
	`  falseEasting: new Metre(113081.0261),`
	`  falseNorthing: new Metre(0.0045)`
	`)`

NAD83(HARN) / WISCRS Iron (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iron County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new USSurveyFoot(725000),`
	`  falseNorthing: new USSurveyFoot(0.028)`
	`)`

NAD83(HARN) / WISCRS Iron (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_IRON_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Iron County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Iron
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.433333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.255555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000677153),`
	`  falseEasting: new Metre(220980.4419),`
	`  falseNorthing: new Metre(0.0085)`
	`)`

NAD83(HARN) / WISCRS Jackson (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Jackson County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new USSurveyFoot(88582.5),`
	`  falseNorthing: new USSurveyFoot(82020.833)`
	`)`

NAD83(HARN) / WISCRS Jackson (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_JACKSON_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Jackson County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Jackson
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.253335127778),`
	`  longitudeOfNaturalOrigin: new Degree(-90.844296519444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000353),`
	`  falseEasting: new Metre(27000),`
	`  falseNorthing: new Metre(25000)`
	`)`

NAD83(HARN) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000260649),`
	`  falseEasting: new USSurveyFoot(610000.003),`
	`  falseNorthing: new USSurveyFoot(0.003)`
	`)`

NAD83(HARN) / WISCRS Kenosha, Milwaukee, Ozaukee and Racine (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KENOSHA_MILWAUKEE_OZAUKEE_AND_RACINE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kenosha, Milwaukee, Ozaukee and Racine Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kenosha, Milwaukee, Ozaukee and Racine
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.216666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.894444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000260649),`
	`  falseEasting: new Metre(185928.3728),`
	`  falseNorthing: new Metre(0.0009)`
	`)`

NAD83(HARN) / WISCRS Kewaunee, Manitowoc and Sheboygan (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new USSurveyFoot(262000.006),`
	`  falseNorthing: new USSurveyFoot(0.004)`
	`)`

NAD83(HARN) / WISCRS Kewaunee, Manitowoc and Sheboygan (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_KEWAUNEE_MANITOWOC_AND_SHEBOYGAN_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Kewaunee, Manitowoc and Sheboygan Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Kewaunee, Manitowoc and Sheboygan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.266666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.55),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000233704),`
	`  falseEasting: new Metre(79857.7614),`
	`  falseNorthing: new Metre(0.0012)`
	`)`

NAD83(HARN) / WISCRS La Crosse (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS La Crosse County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new USSurveyFoot(427999.996),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

NAD83(HARN) / WISCRS La Crosse (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LA_CROSSE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS La Crosse County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - La Crosse
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.451111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.316666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000319985),`
	`  falseEasting: new Metre(130454.6598),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

NAD83(HARN) / WISCRS Langlade (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LANGLADE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Langlade County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000627024),`
	`  falseEasting: new USSurveyFoot(651000),`
	`  falseNorthing: new USSurveyFoot(345405.421)`
	`)`

NAD83(HARN) / WISCRS Langlade (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LANGLADE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Langlade County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Langlade
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.154237105278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.033333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000627024),`
	`  falseEasting: new Metre(198425.197),`
	`  falseNorthing: new Metre(105279.7829)`
	`)`

NAD83(HARN) / WISCRS Lincoln (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Lincoln County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new USSurveyFoot(381000),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

NAD83(HARN) / WISCRS Lincoln (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_LINCOLN_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Lincoln County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Lincoln
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.844444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.733333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000599003),`
	`  falseEasting: new Metre(116129.0323),`
	`  falseNorthing: new Metre(0.0058)`
	`)`

NAD83(HARN) / WISCRS Marathon (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARATHON_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marathon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000053289),`
	`  falseEasting: new USSurveyFoot(245000),`
	`  falseNorthing: new USSurveyFoot(180607.47)`
	`)`

NAD83(HARN) / WISCRS Marathon (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARATHON_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marathon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marathon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.900904423611),`
	`  longitudeOfNaturalOrigin: new Degree(-89.77),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000053289),`
	`  falseEasting: new Metre(74676.1493),`
	`  falseNorthing: new Metre(55049.2669)`
	`)`

NAD83(HARN) / WISCRS Marinette (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marinette County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new USSurveyFoot(783000.007),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(HARN) / WISCRS Marinette (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MARINETTE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Marinette County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Marinette
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.691666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-87.711111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000234982),`
	`  falseEasting: new Metre(238658.8794),`
	`  falseNorthing: new Metre(0.0032)`
	`)`

NAD83(HARN) / WISCRS Menominee (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Menominee County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new USSurveyFoot(346000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(HARN) / WISCRS Menominee (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MENOMINEE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Menominee County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Menominee
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.716666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362499),`
	`  falseEasting: new Metre(105461.0121),`
	`  falseNorthing: new Metre(0.0029)`
	`)`

NAD83(HARN) / WISCRS Monroe (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MONROE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Monroe County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000434122),`
	`  falseEasting: new USSurveyFoot(671000),`
	`  falseNorthing: new USSurveyFoot(400012.278)`
	`)`

NAD83(HARN) / WISCRS Monroe (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_MONROE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Monroe County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Monroe
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.000073928611),`
	`  longitudeOfNaturalOrigin: new Degree(-90.641666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000434122),`
	`  falseEasting: new Metre(204521.209),`
	`  falseNorthing: new Metre(121923.9861)`
	`)`

NAD83(HARN) / WISCRS Oconto (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oconto County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new USSurveyFoot(600000.006),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

NAD83(HARN) / WISCRS Oconto (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_OCONTO_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oconto County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oconto
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.397222222222),`
	`  longitudeOfNaturalOrigin: new Degree(-87.908333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000236869),`
	`  falseEasting: new Metre(182880.3676),`
	`  falseNorthing: new Metre(0.0033)`
	`)`

NAD83(HARN) / WISCRS Oneida (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oneida County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new USSurveyFoot(230000),`
	`  falseNorthing: new USSurveyFoot(188936.744)`
	`)`

NAD83(HARN) / WISCRS Oneida (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ONEIDA_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Oneida County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Oneida
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.704223770278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.544444444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000686968),`
	`  falseEasting: new Metre(70104.1401),`
	`  falseNorthing: new Metre(57588.0346)`
	`)`

NAD83(HARN) / WISCRS Pepin and Pierce (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PEPIN_AND_PIERCE_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362977),`
	`  falseEasting: new USSurveyFoot(550000),`
	`  falseNorthing: new USSurveyFoot(282260.222)`
	`)`

NAD83(HARN) / WISCRS Pepin and Pierce (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PEPIN_AND_PIERCE_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Pepin and Pierce Counties (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Pepin and Pierce
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.636148871944),`
	`  longitudeOfNaturalOrigin: new Degree(-92.227777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000362977),`
	`  falseEasting: new Metre(167640.3354),`
	`  falseNorthing: new Metre(86033.0876)`
	`)`

NAD83(HARN) / WISCRS Polk (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Polk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new USSurveyFoot(464999.996),`
	`  falseNorthing: new USSurveyFoot(0.019)`
	`)`

NAD83(HARN) / WISCRS Polk (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_POLK_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Polk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Polk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.661111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000433849),`
	`  falseEasting: new Metre(141732.2823),`
	`  falseNorthing: new Metre(0.0059)`
	`)`

NAD83(HARN) / WISCRS Portage (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Portage County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039936),`
	`  falseEasting: new USSurveyFoot(185000),`
	`  falseNorthing: new USSurveyFoot(164114.46)`
	`)`

NAD83(HARN) / WISCRS Portage (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PORTAGE_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Portage County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Portage
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.416823975278),`
	`  longitudeOfNaturalOrigin: new Degree(-89.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000039936),`
	`  falseEasting: new Metre(56388.1128),`
	`  falseNorthing: new Metre(50022.1874)`
	`)`

NAD83(HARN) / WISCRS Price (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Price County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new USSurveyFoot(747999.995),`
	`  falseNorthing: new USSurveyFoot(0.036)`
	`)`

NAD83(HARN) / WISCRS Price (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_PRICE_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Price County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Price
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.555555555556),`
	`  longitudeOfNaturalOrigin: new Degree(-90.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000649554),`
	`  falseEasting: new Metre(227990.8546),`
	`  falseNorthing: new Metre(0.0109)`
	`)`

NAD83(HARN) / WISCRS Richland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Richland County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000375653),`
	`  falseEasting: new USSurveyFoot(664000),`
	`  falseNorthing: new USSurveyFoot(440469.675)`
	`)`

NAD83(HARN) / WISCRS Richland (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RICHLAND_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Richland County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Richland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.3223129275),`
	`  longitudeOfNaturalOrigin: new Degree(-90.430555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000375653),`
	`  falseEasting: new Metre(202387.6048),`
	`  falseNorthing: new Metre(134255.4253)`
	`)`

NAD83(HARN) / WISCRS Rock (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rock County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new USSurveyFoot(480000),`
	`  falseNorthing: new USSurveyFoot(0.022)`
	`)`

NAD83(HARN) / WISCRS Rock (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ROCK_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rock County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rock
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(41.944444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.072222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000337311),`
	`  falseEasting: new Metre(146304.2926),`
	`  falseNorthing: new Metre(0.0068)`
	`)`

NAD83(HARN) / WISCRS Rusk (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rusk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new USSurveyFoot(822000.001),`
	`  falseNorthing: new USSurveyFoot(0.077)`
	`)`

NAD83(HARN) / WISCRS Rusk (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_RUSK_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Rusk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Rusk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.919444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-91.066666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000495976),`
	`  falseEasting: new Metre(250546.1013),`
	`  falseNorthing: new Metre(0.0234)`
	`)`

NAD83(HARN) / WISCRS Sauk (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sauk County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new USSurveyFoot(609000.001),`
	`  falseNorthing: new USSurveyFoot(0.017)`
	`)`

NAD83(HARN) / WISCRS Sauk (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAUK_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sauk County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sauk
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.819444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-89.9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000373868),`
	`  falseEasting: new Metre(185623.5716),`
	`  falseNorthing: new Metre(0.0051)`
	`)`

NAD83(HARN) / WISCRS Sawyer (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sawyer County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new USSurveyFoot(711000.001),`
	`  falseNorthing: new USSurveyFoot(396108.667)`
	`)`

NAD83(HARN) / WISCRS Sawyer (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SAWYER_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Sawyer County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Sawyer
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.900099131389),`
	`  longitudeOfNaturalOrigin: new Degree(-91.116666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000573461),`
	`  falseEasting: new Metre(216713.2336),`
	`  falseNorthing: new Metre(120734.1631)`
	`)`

NAD83(HARN) / WISCRS Shawano (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Shawano County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new USSurveyFoot(861000.001),`
	`  falseNorthing: new USSurveyFoot(0.031)`
	`)`

NAD83(HARN) / WISCRS Shawano (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_SHAWANO_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Shawano County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Shawano
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-88.605555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000032144),`
	`  falseEasting: new Metre(262433.3253),`
	`  falseNorthing: new Metre(0.0096)`
	`)`

NAD83(HARN) / WISCRS St. Croix (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS St. Croix County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new USSurveyFoot(542999.997),`
	`  falseNorthing: new USSurveyFoot(0.034)`
	`)`

NAD83(HARN) / WISCRS St. Croix (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_ST_CROIX_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS St. Croix County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - St. Croix
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.036111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-92.633333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000381803),`
	`  falseEasting: new Metre(165506.7302),`
	`  falseNorthing: new Metre(0.0103)`
	`)`

NAD83(HARN) / WISCRS Taylor (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Taylor County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000597566),`
	`  falseEasting: new USSurveyFoot(614000),`
	`  falseNorthing: new USSurveyFoot(353499.136)`
	`)`

NAD83(HARN) / WISCRS Taylor (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TAYLOR_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Taylor County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Taylor
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.177822085833),`
	`  longitudeOfNaturalOrigin: new Degree(-90.483333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000597566),`
	`  falseEasting: new Metre(187147.5744),`
	`  falseNorthing: new Metre(107746.7522)`
	`)`

NAD83(HARN) / WISCRS Trempealeau (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new USSurveyFoot(843000),`
	`  falseNorthing: new USSurveyFoot(0.013)`
	`)`

NAD83(HARN) / WISCRS Trempealeau (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_TREMPEALEAU_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Trempealeau County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Trempealeau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.161111111111),`
	`  longitudeOfNaturalOrigin: new Degree(-91.366666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000361538),`
	`  falseEasting: new Metre(256946.9138),`
	`  falseNorthing: new Metre(0.0041)`
	`)`

NAD83(HARN) / WISCRS Vernon (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vernon County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new USSurveyFoot(730000),`
	`  falseNorthing: new USSurveyFoot(155944.768)`
	`)`

NAD83(HARN) / WISCRS Vernon (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VERNON_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vernon County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vernon
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.575032939722),`
	`  longitudeOfNaturalOrigin: new Degree(-90.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000408158),`
	`  falseEasting: new Metre(222504.4451),`
	`  falseNorthing: new Metre(47532.0602)`
	`)`

NAD83(HARN) / WISCRS Vilas (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VILAS_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vilas County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(46.077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000730142),`
	`  falseEasting: new USSurveyFoot(441000),`
	`  falseNorthing: new USSurveyFoot(165147.666)`
	`)`

NAD83(HARN) / WISCRS Vilas (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_VILAS_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Vilas County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Vilas
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(46.077844090556),`
	`  longitudeOfNaturalOrigin: new Degree(-89.488888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000730142),`
	`  falseEasting: new Metre(134417.0689),`
	`  falseNorthing: new Metre(50337.1092)`
	`)`

NAD83(HARN) / WISCRS Walworth (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WALWORTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Walworth County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000367192),`
	`  falseEasting: new USSurveyFoot(763000),`
	`  falseNorthing: new USSurveyFoot(364461.943)`
	`)`

NAD83(HARN) / WISCRS Walworth (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WALWORTH_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Walworth County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Walworth
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.669462096944),`
	`  longitudeOfNaturalOrigin: new Degree(-88.541666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000367192),`
	`  falseEasting: new Metre(232562.8651),`
	`  falseNorthing: new Metre(111088.2224)`
	`)`

NAD83(HARN) / WISCRS Washburn (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHBURN_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washburn County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000475376),`
	`  falseEasting: new USSurveyFoot(768000),`
	`  falseNorthing: new USSurveyFoot(617973.193)`
	`)`

NAD83(HARN) / WISCRS Washburn (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHBURN_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washburn County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washburn
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(45.961219833333),`
	`  longitudeOfNaturalOrigin: new Degree(-91.783333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000475376),`
	`  falseEasting: new Metre(234086.8682),`
	`  falseNorthing: new Metre(188358.6058)`
	`)`

NAD83(HARN) / WISCRS Washington (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washington County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new USSurveyFoot(394000.004),`
	`  falseNorthing: new USSurveyFoot(0.01)`
	`)`

NAD83(HARN) / WISCRS Washington (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WASHINGTON_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Washington County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Washington
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.918055555556),`
	`  longitudeOfNaturalOrigin: new Degree(-88.063888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00003738),`
	`  falseEasting: new Metre(120091.4415),`
	`  falseNorthing: new Metre(0.003)`
	`)`

NAD83(HARN) / WISCRS Waukesha (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waukesha County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new USSurveyFoot(685000.001),`
	`  falseNorthing: new USSurveyFoot(0.011)`
	`)`

NAD83(HARN) / WISCRS Waukesha (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUKESHA_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waukesha County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waukesha
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(42.569444444444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.225),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000346179),`
	`  falseEasting: new Metre(208788.418),`
	`  falseNorthing: new Metre(0.0034)`
	`)`

NAD83(HARN) / WISCRS Waupaca (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waupaca County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000333645),`
	`  falseEasting: new USSurveyFoot(607000.003),`
	`  falseNorthing: new USSurveyFoot(0.023)`
	`)`

NAD83(HARN) / WISCRS Waupaca (m)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUPACA_M)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waupaca County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waupaca
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(43.420277777778),`
	`  longitudeOfNaturalOrigin: new Degree(-88.816666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000333645),`
	`  falseEasting: new Metre(185013.9709),`
	`  falseNorthing: new Metre(0.007)`
	`)`

NAD83(HARN) / WISCRS Waushara (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waushara County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000392096),`
	`  falseEasting: new USSurveyFoot(394000),`
	`  falseNorthing: new USSurveyFoot(147866.367)`
	`)`

NAD83(HARN) / WISCRS Waushara (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WAUSHARA_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Waushara County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Waushara
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.113944045833),`
	`  longitudeOfNaturalOrigin: new Degree(-89.241666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000392096),`
	`  falseEasting: new Metre(120091.4402),`
	`  falseNorthing: new Metre(45069.7587)`
	`)`

NAD83(HARN) / WISCRS Wood (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Wood County (ftUS)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new USSurveyFoot(684000.001),`
	`  falseNorthing: new USSurveyFoot(441566.551)`
	`)`

NAD83(HARN) / WISCRS Wood (m)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCRS_WOOD_M)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: WISCRS Wood County (m)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - Wood
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(44.362595469444),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000421209),`
	`  falseEasting: new Metre(208483.6173),`
	`  falseNorthing: new Metre(134589.754)`
	`)`

NAD83(HARN) / Washington North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Washington North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_NORTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Washington South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Washington South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WASHINGTON_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / West Virginia North

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / West Virginia North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_NORTH_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / West Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / West Virginia South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WEST_VIRGINIA_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.483333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Wisconsin Central

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Wisconsin Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_CENTRAL_FTUS)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Wisconsin North

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Wisconsin North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_NORTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(45.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Wisconsin South

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(HARN) / Wisconsin South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_SOUTH_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Wisconsin Transverse Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WISCONSIN_TRANSVERSE_MERCATOR)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

NAD83(HARN) / Wyoming East

`Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST)`

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Wyoming East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(HARN) / Wyoming East Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(HARN) / Wyoming East Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_EAST_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83(HARN) / Wyoming West

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(HARN) / Wyoming West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83(HARN) / Wyoming West Central

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(HARN) / Wyoming West Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_HARN_WYOMING_WEST_CENTRAL_FTUS)
```

to NAD83(HARN) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_HARN),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(MA11) / Guam Map Grid

```
Projected::fromSRID(Projected::EPSG_NAD83_MA11_GUAM_MAP_GRID)
```

to NAD83(MA11) (Geographic2D)

EPSG	PHPCoord

Name: Guam Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11),`
	`  latitudeOfNaturalOrigin: new Degree(13.5),`
	`  longitudeOfNaturalOrigin: new Degree(144.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NAD83(MA11) / UTM zone 54N

`Projected::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_54N)`

to NAD83(MA11) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(MA11) / UTM zone 55N

`Projected::fromSRID(Projected::EPSG_NAD83_MA11_UTM_ZONE_55N)`

to NAD83(MA11) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_MA11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alabama East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(30.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alabama West

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALABAMA_WEST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alabama West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alabama - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-87.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ALBERS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Alaska Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(55),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_1)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Panhandle
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfProjectionCentre: new Degree(57),`
	`  longitudeOfProjectionCentre: new Degree(-133.66666666667),`
	`  azimuthOfInitialLine: new Degree(323.13010236111),`
	`  angleFromRectifiedToSkewGrid: new Degree(323.13010236111),`
	`  scaleFactorOnInitialLine: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

NAD83(NSRS2007) / Alaska zone 10

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_10)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 10 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - Aleutian Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(51),`
	`  longitudeOfFalseOrigin: new Degree(-176),`
	`  latitudeOf1stStandardParallel: new Degree(53.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(51.833333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_2)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 144°W to 141°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_3)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 148°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-146),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_4)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 152°W to 148°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_5)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 156°W to 152°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_6)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 160°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 7

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_7)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 7 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - 164°W to 160°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-162),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 8

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_8)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 8 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; 168°W to 164°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-166),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Alaska zone 9

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ALASKA_ZONE_9)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Alaska zone 9 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska - north of 54.5°N; west of 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(54),`
	`  longitudeOfNaturalOrigin: new Degree(-170),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Arizona Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.`
	`↪91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Arizona Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_CENTRAL_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-111.`
	`↪91666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(NSRS2007) / Arizona East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.`
	`↪16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Arizona East (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_EAST_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona East zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-110.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(NSRS2007) / Arizona West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(213360),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Arizona West (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARIZONA_WEST_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arizona West zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arizona - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-113.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Foot(700000),`
	`  falseNorthing: new Foot(0)`
	`)`

NAD83(NSRS2007) / Arkansas North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Arkansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(36.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Arkansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83(NSRS2007) / Arkansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ARKANSAS_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Arkansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Arkansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(32.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-92),`
	`  latitudeOf1stStandardParallel: new Degree(34.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(33.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(NSRS2007) / California Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ALBERS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: California Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(0),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(34),`
	`  latitudeOf2ndStandardParallel: new Degree(40.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(-4000000)`
	`)`

NAD83(NSRS2007) / California zone 1

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / California zone 1 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_1_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 1 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 1
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(41.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / California zone 2

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / California zone 2 (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_2_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 2 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 2
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-122),`
	`  latitudeOf1stStandardParallel: new Degree(39.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.333333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / California zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.`
	`↪433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.`
	`↪066666666667),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / California zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_3_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 3
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.5),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.`
	`↪433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.`
	`↪066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.`
	`↪667),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / California zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / California zone 4 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_4_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 4 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 4
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(35.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-119),`
	`  latitudeOf1stStandardParallel: new Degree(37.25),`
	`  latitudeOf2ndStandardParallel: new Degree(36),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / California zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / California zone 5 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_5_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 5 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS83 - 5
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(33.5),`
	`  longitudeOfFalseOrigin: new Degree(-118),`
	`  latitudeOf1stStandardParallel: new Degree(35.466666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / California zone 6

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new Metre(2000000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / California zone 6 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CALIFORNIA_ZONE_6_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 California zone 6 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - California - SPCS - 6
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(32.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-116.25),`
	`  latitudeOf1stStandardParallel: new Degree(33.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(6561666.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / Colorado Central

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(NSRS2007) / Colorado Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_CENTRAL_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.75),`
	`  latitudeOf2ndStandardParallel: new Degree(38.45),`
	`  eastingAtFalseOrigin: new␣USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣USSurveyFoot(1000000)`
	`)`

NAD83(NSRS2007) / Colorado North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.`
	`↪716666666667),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(NSRS2007) / Colorado North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(39.`
	`↪716666666667),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1000000)`
	`)`

NAD83(NSRS2007) / Colorado South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.`
	`↪433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.`
	`↪233333333333),`
	`  eastingAtFalseOrigin: new Metre(914401.8289),`
	`  northingAtFalseOrigin: new Metre(304800.6096)`
	`)`

NAD83(NSRS2007) / Colorado South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_COLORADO_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Colorado South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Colorado - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-105.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.`
	`↪433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.`
	`↪233333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(3000000),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1000000)`
	`)`

NAD83(NSRS2007) / Connecticut

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new Metre(304800.6096),`
	`  northingAtFalseOrigin: new Metre(152400.3048)`
	`)`

NAD83(NSRS2007) / Connecticut (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONNECTICUT_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Connecticut zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Connecticut
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-72.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.866666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(41.2),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(500000)`
	`)`

NAD83(NSRS2007) / Conus Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_CONUS_ALBERS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Conus Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(23),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(29.5),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Delaware

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Delaware (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_DELAWARE_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Delaware zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Delaware
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(-75.416666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999995),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / EPSG Arctic zone 5-29

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_29)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 173°W to 153°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-163),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(NSRS2007) / EPSG Arctic zone 5-31

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_5_31)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 157°W to 137°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

NAD83(NSRS2007) / EPSG Arctic zone 6-14

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_14)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 174°W to 156°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-165),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(14500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(NSRS2007) / EPSG Arctic zone 6-16

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_EPSG_ARCTIC_ZONE_6_16)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 6-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°10'N to 66°10'N, 156°W to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(68.687475555556),`
	`  longitudeOfFalseOrigin: new Degree(-147),`
	`  latitudeOf1stStandardParallel: new Degree(70.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(67),`
	`  eastingAtFalseOrigin: new Metre(16500000),`
	`  northingAtFalseOrigin: new Metre(6500000)`
	`)`

NAD83(NSRS2007) / Florida East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Florida East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Florida GDL Albers

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_GDL_ALBERS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Florida GDL Albers (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(-84),`
	`  latitudeOf1stStandardParallel: new Degree(24),`
	`  latitudeOf2ndStandardParallel: new Degree(31.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Florida North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Florida North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(29),`
	`  longitudeOfFalseOrigin: new Degree(-84.5),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(29.583333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Florida West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Florida West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_FLORIDA_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Florida West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Florida - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(24.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-82),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Georgia East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Georgia East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_EAST_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-82.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Georgia West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Georgia West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_GEORGIA_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Georgia West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Georgia - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(-84.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Idaho Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Idaho Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-114),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Idaho East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Idaho East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-112.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999947368),`
	`  falseEasting: new USSurveyFoot(656166.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Idaho West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Idaho West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IDAHO_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Idaho West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Idaho - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-115.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new USSurveyFoot(2624666.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Illinois East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Illinois East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-88.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999975),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Illinois West

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Illinois West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_ILLINOIS_WEST_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Illinois West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Illinois - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(36.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new USSurveyFoot(2296583.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Indiana East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83(NSRS2007) / Indiana East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-85.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(328083.333),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83(NSRS2007) / Indiana West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(250000)`
	`)`

NAD83(NSRS2007) / Indiana West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_INDIANA_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Indiana West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Indiana - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(37.5),`
	`  longitudeOfNaturalOrigin: new Degree(-87.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(820208.333)`
	`)`

NAD83(NSRS2007) / Iowa North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(NSRS2007) / Iowa North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(43.266666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.066666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83(NSRS2007) / Iowa South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Iowa South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_IOWA_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Iowa South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Iowa - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40),`
	`  longitudeOfFalseOrigin: new Degree(-93.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Kansas North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Kansas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(39.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Kansas South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(400000)`
	`)`

NAD83(NSRS2007) / Kansas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KANSAS_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kansas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kansas - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.566666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(37.266666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(1312333.3333)`
	`)`

NAD83(NSRS2007) / Kentucky North

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Kentucky North (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_NORTH_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.25),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(38.966666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Kentucky Single Zone

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(NSRS2007) / Kentucky Single Zone (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SINGLE_ZONE_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky Single Zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(4921250),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(NSRS2007) / Kentucky South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

NAD83(NSRS2007) / Kentucky South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_KENTUCKY_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Kentucky South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Kentucky - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-85.75),`
	`  latitudeOf1stStandardParallel: new Degree(37.933333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(1640416.667)`
	`)`

NAD83(NSRS2007) / Louisiana North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.`
	`↪166666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Louisiana North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(30.5),`
	`  longitudeOfFalseOrigin: new Degree(-92.5),`
	`  latitudeOf1stStandardParallel: new Degree(32.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(31.`
	`↪166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.`
	`↪3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Louisiana South

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Louisiana South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_LOUISIANA_SOUTH_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Louisiana South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Louisiana - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(28.5),`
	`  longitudeOfFalseOrigin: new Degree(-91.333333333333),`
	`  latitudeOf1stStandardParallel: new Degree(30.7),`
	`  latitudeOf2ndStandardParallel: new Degree(29.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(3280833.3333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Maine CS2000 Central

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_CENTRAL)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(43.5),`
	`  longitudeOfNaturalOrigin: new Degree(-69.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Maine CS2000 East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(43.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-67.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Maine CS2000 West

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_CS2000_WEST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Maine CS2000 West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - CS2000 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99998),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Maine East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Maine East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(43.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-68.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Maine West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(900000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Maine West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MAINE_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maine West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maine - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-70.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(2952750),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Maryland

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Maryland (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MARYLAND_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Maryland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Maryland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77),`
	`  latitudeOf1stStandardParallel: new Degree(39.45),`
	`  latitudeOf2ndStandardParallel: new Degree(38.3),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1312333.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Massachusetts Island

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Massachusetts Island (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_ISLAND_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-70.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.283333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Massachusetts Mainland

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_MAINLAND)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(750000)`
	`)`

NAD83(NSRS2007) / Massachusetts Mainland (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MASSACHUSETTS_MAINLAND_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Massachusetts Mainland zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Massachusetts - SPCS - mainland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41),`
	`  longitudeOfFalseOrigin: new Degree(-71.5),`
	`  latitudeOf1stStandardParallel: new Degree(42.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(41.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(2460625)`
	`)`

NAD83(NSRS2007) / Michigan Central

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Michigan Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_CENTRAL_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.316666666667),`
	`  longitudeOfFalseOrigin: new Degree(-84.366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(45.7),`
	`  latitudeOf2ndStandardParallel: new Degree(44.183333333333),`
	`  eastingAtFalseOrigin: new Foot(19685039.37),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Michigan North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Metre(8000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Michigan North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_NORTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(44.783333333333),`
	`  longitudeOfFalseOrigin: new Degree(-87),`
	`  latitudeOf1stStandardParallel: new Degree(47.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.483333333333),`
	`  eastingAtFalseOrigin: new Foot(26246719.16),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Michigan Oblique Mercator

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_OBLIQUE_MERCATOR)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Michigan Oblique Mercator (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfProjectionCentre: new Degree(45.309166666667),`
	`  longitudeOfProjectionCentre: new Degree(-86),`
	`  azimuthOfInitialLine: new Degree(337.25556),`
	`  angleFromRectifiedToSkewGrid: new Degree(337.25556),`
	`  scaleFactorOnInitialLine: new Unity(0.9996),`
	`  falseEasting: new Metre(2546731.496),`
	`  falseNorthing: new Metre(-4354009.816)`
	`)`

NAD83(NSRS2007) / Michigan South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.`
	`↪366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.`
	`↪1),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Michigan South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MICHIGAN_SOUTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Michigan South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Michigan - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.5),`
	`  longitudeOfFalseOrigin: new Degree(-84.`
	`↪366666666667),`
	`  latitudeOf1stStandardParallel: new Degree(43.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.`
	`↪1),`
	`  eastingAtFalseOrigin: new Foot(13123359.58),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Minnesota Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.`
	`↪05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪616666666667),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(NSRS2007) / Minnesota Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(-94.25),`
	`  latitudeOf1stStandardParallel: new Degree(47.`
	`↪05),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪616666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.`
	`↪6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.`
	`↪3333)`
	`)`

NAD83(NSRS2007) / Minnesota North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.`
	`↪633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.`
	`↪033333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(NSRS2007) / Minnesota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(-93.1),`
	`  latitudeOf1stStandardParallel: new Degree(48.`
	`↪633333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.`
	`↪033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.`
	`↪6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.`
	`↪3333)`
	`)`

NAD83(NSRS2007) / Minnesota South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new Metre(800000),`
	`  northingAtFalseOrigin: new Metre(100000)`
	`)`

NAD83(NSRS2007) / Minnesota South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MINNESOTA_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Minnesota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Minnesota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(-94),`
	`  latitudeOf1stStandardParallel: new Degree(45.216666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(43.783333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2624666.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(328083.3333)`
	`)`

NAD83(NSRS2007) / Mississippi East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Mississippi East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-88.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Mississippi TM

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_TM)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Mississippi Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(-89.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998335),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

NAD83(NSRS2007) / Mississippi West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Mississippi West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSISSIPPI_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Mississippi West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Mississippi - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(29.5),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new USSurveyFoot(2296583.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Missouri Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-92.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Missouri East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(35.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-90.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999933333),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Missouri West

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MISSOURI_WEST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Missouri West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Missouri - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(36.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-94.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999941177),`
	`  falseEasting: new Metre(850000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Montana

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MONTANA)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Montana (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_MONTANA_FT)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Montana zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Montana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(44.25),`
	`  longitudeOfFalseOrigin: new Degree(-109.5),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(45),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Nebraska

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEBRASKA)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Nebraska (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEBRASKA_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nebraska zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nebraska
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(40),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Nevada Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

NAD83(NSRS2007) / Nevada Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-116.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(19685000)`
	`)`

NAD83(NSRS2007) / Nevada East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(8000000)`
	`)`

NAD83(NSRS2007) / Nevada East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-115.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(26246666.6667)`
	`)`

NAD83(NSRS2007) / Nevada West

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(4000000)`
	`)`

NAD83(NSRS2007) / Nevada West (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEVADA_WEST_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Nevada West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Nevada - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(34.75),`
	`  longitudeOfNaturalOrigin: new Degree(-118.58333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(13123333.3333)`
	`)`

NAD83(NSRS2007) / New Hampshire

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New Hampshire (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_HAMPSHIRE_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Hampshire zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Hampshire
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-71.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(984250),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New Jersey

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New Jersey (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_JERSEY_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Jersey zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Jersey
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(38.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New Mexico Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New Mexico Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New Mexico East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new Metre(165000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New Mexico East (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_EAST_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-104.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999909091),`
	`  falseEasting: new USSurveyFoot(541337.5),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New Mexico West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.`
	`↪83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999916667),`
	`  falseEasting: new Metre(830000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New Mexico West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_MEXICO_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New Mexico West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New Mexico - SPCS83 - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(31),`
	`  longitudeOfNaturalOrigin: new Degree(-107.`
	`↪83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪999916667),`
	`  falseEasting: new USSurveyFoot(2723091.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New York Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New York Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - C
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-76.583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(820208.333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New York East

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(38.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New York East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(38.`
	`↪833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-74.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new USSurveyFoot(492125),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New York Long Island

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / New York Long Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_LONG_ISLAND_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York Long Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - Long Island
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-74),`
	`  latitudeOf1stStandardParallel: new Degree(41.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.666666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / New York West

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.`
	`↪583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999375),`
	`  falseEasting: new Metre(350000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / New York West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NEW_YORK_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 New York West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - New York - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(-78.`
	`↪583333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪9999375),`
	`  falseEasting: new USSurveyFoot(1148291.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / North Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.`
	`↪166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(609601.22),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / North Carolina (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_CAROLINA_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Carolina zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(33.75),`
	`  longitudeOfFalseOrigin: new Degree(-79),`
	`  latitudeOf1stStandardParallel: new Degree(36.`
	`↪166666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(34.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(2000000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / North Dakota North

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / North Dakota North (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_NORTH_FT)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.433333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / North Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / North Dakota South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_NORTH_DAKOTA_SOUTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 North Dakota South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - North Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.483333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(46.183333333333),`
	`  eastingAtFalseOrigin: new Foot(1968503.937),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Ohio North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Ohio North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.7),`
	`  latitudeOf2ndStandardParallel: new Degree(40.433333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Ohio South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Ohio South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OHIO_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Ohio South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Ohio - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38),`
	`  longitudeOfFalseOrigin: new Degree(-82.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.033333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(38.733333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Oklahoma North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Oklahoma North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(35),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(36.766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.566666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Oklahoma South

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Oklahoma South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OKLAHOMA_SOUTH_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oklahoma South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oklahoma - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(33.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-98),`
	`  latitudeOf1stStandardParallel: new Degree(35.233333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(33.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Oregon GIC Lambert (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_GIC_LAMBERT_FT)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Oregon GIC Lambert (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Foot(1312335.958),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Oregon LCC (m)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_LCC_M)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Oregon Lambert (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.75),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(43),`
	`  latitudeOf2ndStandardParallel: new Degree(45.5),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Oregon North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Oregon North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_NORTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(46),`
	`  latitudeOf2ndStandardParallel: new Degree(44.333333333333),`
	`  eastingAtFalseOrigin: new Foot(8202099.738),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Oregon South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Oregon South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_OREGON_SOUTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Oregon South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Oregon - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(41.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(44),`
	`  latitudeOf2ndStandardParallel: new Degree(42.333333333333),`
	`  eastingAtFalseOrigin: new Foot(4921259.843),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / Pennsylvania North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Pennsylvania North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(41.95),`
	`  latitudeOf2ndStandardParallel: new Degree(40.883333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Pennsylvania South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Pennsylvania South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PENNSYLVANIA_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Pennsylvania South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Pennsylvania - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(39.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-77.75),`
	`  latitudeOf1stStandardParallel: new Degree(40.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(39.933333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Puerto Rico and Virgin Is.

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_PUERTO_RICO_AND_VIRGIN_IS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Puerto Rico & Virgin Islands zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Puerto Rico and US Virgin Islands - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

NAD83(NSRS2007) / Rhode Island

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Rhode Island (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_RHODE_ISLAND_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Rhode Island zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Rhode Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(41.083333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-71.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999375),`
	`  falseEasting: new USSurveyFoot(328083.3333),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / South Carolina

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Metre(609600),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / South Carolina (ft)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_CAROLINA_FT)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Carolina zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Carolina
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(31.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(34.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(32.5),`
	`  eastingAtFalseOrigin: new Foot(2000000),`
	`  northingAtFalseOrigin: new Foot(0)`
	`)`

NAD83(NSRS2007) / South Dakota North

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / South Dakota North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(45.683333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(44.416666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / South Dakota South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / South Dakota South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_SOUTH_DAKOTA_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 South Dakota South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - South Dakota - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(42.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(44.4),`
	`  latitudeOf2ndStandardParallel: new Degree(42.833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Tennessee

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Tennessee (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TENNESSEE_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Tennessee zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Tennessee
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(34.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-86),`
	`  latitudeOf1stStandardParallel: new Degree(36.416666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(35.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Texas Central

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(NSRS2007) / Texas Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(29.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-100.33333333333),`
	`  latitudeOf1stStandardParallel: new Degree(31.883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.116666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(2296583.333),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

NAD83(NSRS2007) / Texas Centric Albers Equal Area

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_ALBERS_EQUAL_AREA)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Albers Equal Area
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

NAD83(NSRS2007) / Texas Centric Lambert Conformal

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_CENTRIC_LAMBERT_CONFORMAL)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Texas Centric Lambert Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(18),`
	`  longitudeOfFalseOrigin: new Degree(-100),`
	`  latitudeOf1stStandardParallel: new Degree(27.5),`
	`  latitudeOf2ndStandardParallel: new Degree(35),`
	`  eastingAtFalseOrigin: new Metre(1500000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83(NSRS2007) / Texas North

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new Metre(200000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(NSRS2007) / Texas North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(34),`
	`  longitudeOfFalseOrigin: new Degree(-101.5),`
	`  latitudeOf1stStandardParallel: new Degree(36.183333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(34.65),`
	`  eastingAtFalseOrigin: new USSurveyFoot(656166.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(NSRS2007) / Texas North Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(31.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.133333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(NSRS2007) / Texas North Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_NORTH_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas North Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS - NC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(31.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.`
	`↪966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(32.`
	`↪133333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(6561666.667)`
	`)`

NAD83(NSRS2007) / Texas South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(25.`
	`↪666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.`
	`↪833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.`
	`↪166666666667),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

NAD83(NSRS2007) / Texas South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(25.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-98.5),`
	`  latitudeOf1stStandardParallel: new Degree(27.833333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.166666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(984250),`
	`  northingAtFalseOrigin: new USSurveyFoot(16404166.667)`
	`)`

NAD83(NSRS2007) / Texas South Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(27.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.383333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

NAD83(NSRS2007) / Texas South Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_TEXAS_SOUTH_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Texas South Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Texas - SPCS83 - SC
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(27.`
	`↪833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(30.`
	`↪283333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(28.`
	`↪383333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new␣`
	`↪USSurveyFoot(13123333.333)`
	`)`

NAD83(NSRS2007) / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_10N)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_11N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_12N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_13N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_14N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_15N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_16N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_17N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_18N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_19N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 1N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_1N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 2N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_2N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 3N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_3N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_4N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 59N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_59N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_5N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 60N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_60N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 6N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_6N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_7N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_8N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTM_ZONE_9N)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Utah Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(NSRS2007) / Utah Central (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(6561679.79)`
	`)`

NAD83(NSRS2007) / Utah Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.65),`
	`  latitudeOf2ndStandardParallel: new Degree(39.016666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.6667)`
	`)`

NAD83(NSRS2007) / Utah North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(NSRS2007) / Utah North (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(3280839.895)`
	`)`

NAD83(NSRS2007) / Utah North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(40.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(41.783333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(40.716666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.3333)`
	`)`

NAD83(NSRS2007) / Utah South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

NAD83(NSRS2007) / Utah South (ft)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (international foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new Foot(1640419.948),`
	`  northingAtFalseOrigin: new Foot(9842519.685)`
	`)`

NAD83(NSRS2007) / Utah South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_UTAH_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Utah South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Utah - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-111.5),`
	`  latitudeOf1stStandardParallel: new Degree(38.35),`
	`  latitudeOf2ndStandardParallel: new Degree(37.216666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.6667),`
	`  northingAtFalseOrigin: new USSurveyFoot(9842500)`
	`)`

NAD83(NSRS2007) / Vermont

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Vermont (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VERMONT_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Vermont zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Vermont
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(42.5),`
	`  longitudeOfNaturalOrigin: new Degree(-72.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999964286),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Virginia Lambert

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_LAMBERT)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Virginia Lambert Conic Conformal
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(37),`
	`  latitudeOf2ndStandardParallel: new Degree(39.5),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(2000000)`
	`)`

NAD83(NSRS2007) / Virginia North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37.666666666667),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(39.2),`
	`  latitudeOf2ndStandardParallel: new Degree(38.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(6561666.667)`
	`)`

NAD83(NSRS2007) / Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new Metre(3500000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

NAD83(NSRS2007) / Virginia South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_VIRGINIA_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(36.333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-78.5),`
	`  latitudeOf1stStandardParallel: new Degree(37.966666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(36.766666666667),`
	`  eastingAtFalseOrigin: new USSurveyFoot(11482916.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(3280833.333)`
	`)`

NAD83(NSRS2007) / Washington North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Washington North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(-120.83333333333),`
	`  latitudeOf1stStandardParallel: new Degree(48.733333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(47.5),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Washington South

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.`
	`↪333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪833333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Washington South (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WASHINGTON_SOUTH_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Washington South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Washington - SPCS83 - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45.`
	`↪333333333333),`
	`  longitudeOfFalseOrigin: new Degree(-120.5),`
	`  latitudeOf1stStandardParallel: new Degree(47.`
	`↪333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪833333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1640416.`
	`↪667),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / West Virginia North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / West Virginia North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(38.5),`
	`  longitudeOfFalseOrigin: new Degree(-79.5),`
	`  latitudeOf1stStandardParallel: new Degree(40.`
	`↪25),`
	`  latitudeOf2ndStandardParallel: new Degree(39),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / West Virginia South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.`
	`↪883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.`
	`↪483333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / West Virginia South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WEST_VIRGINIA_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 West Virginia South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - West Virginia - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(37),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(38.`
	`↪883333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(37.`
	`↪483333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Wisconsin Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Wisconsin Central (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_CENTRAL_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - C
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(43.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(45.5),`
	`  latitudeOf2ndStandardParallel: new Degree(44.25),`
	`  eastingAtFalseOrigin: new USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Wisconsin North

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45.`
	`↪166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.`
	`↪766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪566666666667),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Wisconsin North (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_NORTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin North zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(45.`
	`↪166666666667),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(46.`
	`↪766666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(45.`
	`↪566666666667),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Wisconsin South

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.`
	`↪066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.`
	`↪733333333333),`
	`  eastingAtFalseOrigin: new Metre(600000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

NAD83(NSRS2007) / Wisconsin South (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_SOUTH_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wisconsin South zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin - SPCS - S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NAD83_NSRS2007),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(44.`
	`↪066666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(42.`
	`↪733333333333),`
	`  eastingAtFalseOrigin: new␣`
	`↪USSurveyFoot(1968500),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Wisconsin Transverse Mercator

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WISCONSIN_TRANSVERSE_MERCATOR)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: Wisconsin Transverse Mercator 83
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wisconsin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(520000),`
	`  falseNorthing: new Metre(-4480000)`
	`)`

NAD83(NSRS2007) / Wyoming East

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Wyoming East (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-105.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(656166.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(NSRS2007) / Wyoming East Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(NSRS2007) / Wyoming East Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_EAST_CENTRAL_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming East Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - EC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-107.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1312333.3333),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83(NSRS2007) / Wyoming West

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(800000),`
	`  falseNorthing: new Metre(100000)`
	`)`

NAD83(NSRS2007) / Wyoming West (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_FTUS)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-110.08333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(2624666.6667),`
	`  falseNorthing: new USSurveyFoot(328083.3333)`
	`)`

NAD83(NSRS2007) / Wyoming West Central

```
Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL)
```

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(NSRS2007) / Wyoming West Central (ftUS)

`Projected::fromSRID(Projected::EPSG_NAD83_NSRS2007_WYOMING_WEST_CENTRAL_FTUS)`

to NAD83(NSRS2007) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Wyoming West Central zone (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Wyoming - SPCS - WC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_NSRS2007),`
	`  latitudeOfNaturalOrigin: new Degree(40.5),`
	`  longitudeOfNaturalOrigin: new Degree(-108.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999375),`
	`  falseEasting: new USSurveyFoot(1968500),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(PA11) / Hawaii zone 1

`Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_1)`

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 1 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PA11) / Hawaii zone 2

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_2)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 2 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PA11) / Hawaii zone 3

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PA11) / Hawaii zone 3 (ftUS)

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_3_FTUS)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 3 (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(1640416.6667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

NAD83(PA11) / Hawaii zone 4

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_4)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 4 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PA11) / Hawaii zone 5

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_HAWAII_ZONE_5)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: SPCS83 Hawaii zone 5 (meter)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PA11) / UTM zone 2S

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_2S)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NAD83(PA11) / UTM zone 4N

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_4N)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NAD83(PA11) / UTM zone 5N

```
Projected::fromSRID(Projected::EPSG_NAD83_PA11_UTM_ZONE_5N)
```

to NAD83(PA11) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAD83_PA11),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NEA74 Noumea / Noumea Lambert

```
Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT)
```

to NEA74 Noumea (Geographic2D)

EPSG	PHPCoord

Name: Noumea Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA),`
	`  latitudeOfFalseOrigin: new Degree(-22.26969175),`
	`  longitudeOfFalseOrigin: new Degree(166.44242575),`
	`  latitudeOf1stStandardParallel: new Degree(-22.24469175),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.29469175),`
	`  eastingAtFalseOrigin: new Metre(0.66),`
	`  northingAtFalseOrigin: new Metre(1.02)`
	`)`

NEA74 Noumea / Noumea Lambert 2

```
Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_NOUMEA_LAMBERT_2)
```

to NEA74 Noumea (Geographic2D)

EPSG	PHPCoord

Name: Noumea Lambert 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Grande Terre - Noumea
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA),`
	`  latitudeOfFalseOrigin: new Degree(-22.269722222222),`
	`  longitudeOfFalseOrigin: new Degree(166.4425),`
	`  latitudeOf1stStandardParallel: new Degree(-22.244722222222),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.294722222222),`
	`  eastingAtFalseOrigin: new Metre(8.313),`
	`  northingAtFalseOrigin: new Metre(-2.354)`
	`)`

NEA74 Noumea / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_NEA74_NOUMEA_UTM_ZONE_58S)
```

to NEA74 Noumea (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEA74_NOUMEA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NGN / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_NGN_UTM_ZONE_38N)
```

to NGN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NGN / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_NGN_UTM_ZONE_39N)`

to NGN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone I

`Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_I)`

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone I
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(-4.6666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone II

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_II)
```

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone II
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(-2.3333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone III

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_III)
```

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone III
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone IV

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_IV)
```

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone IV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(2.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone V

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_V)
```

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(6.1666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone VI

`Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VI)`

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone VI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(10.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone VII

`Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VII)`

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone VII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(14.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NGO 1948 (Oslo) / NGO zone VIII

```
Projected::fromSRID(Projected::EPSG_NGO_1948_OSLO_NGO_ZONE_VIII)
```

to NGO 1948 (Oslo) (Geographic2D)

EPSG	PHPCoord

Name: NGO zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - zone VIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NGO_1948_OSLO),`
	`  latitudeOfNaturalOrigin: new Degree(58),`
	`  longitudeOfNaturalOrigin: new Degree(18.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NSIDC EASE-Grid Global

```
Projected::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_GLOBAL)
```

to NSIDC Authalic Sphere (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Equal Area global projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 86°S to 86°N
	`$point->lambertCylindricalEqualAreaSpherical(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NSIDC_AUTHALIC_SPHERE),`
	`  latitudeOf1stStandardParallel: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NSIDC EASE-Grid North

```
Projected::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_NORTH)
```

to NSIDC Authalic Sphere (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Equal Area north projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 0°N
	`$point->lambertAzimuthalEqualAreaSpherical(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NSIDC_AUTHALIC_SPHERE),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NSIDC EASE-Grid South

```
Projected::fromSRID(Projected::EPSG_NSIDC_EASE_GRID_SOUTH)
```

to NSIDC Authalic Sphere (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Equal Area south projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - south of 0°N
	`$point->lambertAzimuthalEqualAreaSpherical(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NSIDC_AUTHALIC_SPHERE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NSIDC Sea Ice Polar Stereographic North

```
Projected::fromSRID(Projected::EPSG_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_NORTH)
```

to Hughes 1980 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic north
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HUGHES_1980),`
	`  latitudeOfStandardParallel: new Degree(70),`
	`  longitudeOfOrigin: new Degree(-45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NSIDC Sea Ice Polar Stereographic South

`Projected::fromSRID(Projected::EPSG_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_SOUTH)`

to Hughes 1980 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic south
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪HUGHES_1980),`
	`  latitudeOfStandardParallel: new Degree(-70),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

NTF (Paris) / Lambert Centre France

`Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CENTRE_FRANCE)`

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert Centre France
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland 45.45°N to 48.15°N. Also all mainland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(52),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99987742),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NTF (Paris) / Lambert Corse

`Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_CORSE)`

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert Corse
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(46.85),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99994471),`
	`  falseEasting: new Metre(234.358),`
	`  falseNorthing: new Metre(185861.369)`
	`)`

NTF (Paris) / Lambert Nord France

`Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_NORD_FRANCE)`

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert Nord France
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 48.15°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(55),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877341),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NTF (Paris) / Lambert Sud France

`Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_SUD_FRANCE)`

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert Sud France
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 45.45°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(49),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877499),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(200000)`
	`)`

NTF (Paris) / Lambert zone I

`Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_I)`

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 48.15°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(55),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877341),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(1200000)`
	`)`

NTF (Paris) / Lambert zone II

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_II)
```

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland 45.45°N to 48.15°N. Also all mainland
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(52),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99987742),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(2200000)`
	`)`

NTF (Paris) / Lambert zone III

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_III)
```

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 45.45°N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(49),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999877499),`
	`  falseEasting: new Metre(600000),`
	`  falseNorthing: new Metre(3200000)`
	`)`

NTF (Paris) / Lambert zone IV

```
Projected::fromSRID(Projected::EPSG_NTF_PARIS_LAMBERT_ZONE_IV)
```

to NTF (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Lambert zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NTF_PARIS),`
	`  latitudeOfNaturalOrigin: new Grad(46.85),`
	`  longitudeOfNaturalOrigin: new Grad(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99994471),`
	`  falseEasting: new Metre(234.358),`
	`  falseNorthing: new Metre(4185861.369)`
	`)`

NZGD2000 / Amuri 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_AMURI_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Amuri 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Amuri mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-42.`
	`↪688888888889),`
	`  longitudeOfNaturalOrigin: new Degree(173.01),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Antipodes Islands TM 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_ANTIPODES_ISLANDS_TM_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Antipodes Islands Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Antipodes and Bounty Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(179),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / Auckland Islands TM 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_AUCKLAND_ISLANDS_TM_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Auckland Islands Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Snares and Auckland Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(166),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / Bay of Plenty 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_BAY_OF_PLENTY_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Bay of Plenty 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Bay of Plenty mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-37.`
	`↪761111111111),`
	`  longitudeOfNaturalOrigin: new Degree(176.`
	`↪46611111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Bluff 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_BLUFF_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Bluff 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South and Stewart Islands - Bluff mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-46.6),`
	`  longitudeOfNaturalOrigin: new Degree(168.34277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Buller 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_BULLER_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Buller 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Buller mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.810555555556),`
	`  longitudeOfNaturalOrigin: new Degree(171.58111111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Campbell Island TM 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_CAMPBELL_ISLAND_TM_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Campbell Island Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Campbell Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(169),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / Chatham Island Circuit 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_CHATHAM_ISLAND_CIRCUIT_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Chatham Island Circuit 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Chatham Islands TM 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_CHATHAM_ISLANDS_TM_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Chatham Islands Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Chatham Islands group
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-176.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / Collingwood 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_COLLINGWOOD_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Collingwood 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Collingwood mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-40.714722222222),`
	`  longitudeOfNaturalOrigin: new Degree(172.67194444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Gawler 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_GAWLER_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Gawler 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Gawler mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.748611111111),`
	`  longitudeOfNaturalOrigin: new Degree(171.36055555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Grey 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_GREY_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Grey 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Grey mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-42.333611111111),`
	`  longitudeOfNaturalOrigin: new Degree(171.54972222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Hawkes Bay 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_HAWKES_BAY_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Hawkes Bay 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-39.650833333333),`
	`  longitudeOfNaturalOrigin: new Degree(176.67361111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Hokitika 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_HOKITIKA_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Hokitika 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Hokitika mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-42.886111111111),`
	`  longitudeOfNaturalOrigin: new Degree(170.97972222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Jacksons Bay 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_JACKSONS_BAY_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Jacksons Bay 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Jacksons Bay mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.977777777778),`
	`  longitudeOfNaturalOrigin: new Degree(168.60611111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Karamea 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_KARAMEA_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Karamea 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Karamea mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.289722222222),`
	`  longitudeOfNaturalOrigin: new Degree(172.10888888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Lindis Peak 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_LINDIS_PEAK_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Lindis Peak 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lindis Peak mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-44.735),`
	`  longitudeOfNaturalOrigin: new Degree(169.4675),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Marlborough 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_MARLBOROUGH_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Marlborough 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Marlborough mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.544444444444),`
	`  longitudeOfNaturalOrigin: new Degree(173.80194444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Mount Eden 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_EDEN_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Mount Eden 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Mount Eden mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-36.879722222222),`
	`  longitudeOfNaturalOrigin: new Degree(174.76416666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Mount Nicholas 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_NICHOLAS_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Mount Nicholas 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Nicholas mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.132777777778),`
	`  longitudeOfNaturalOrigin: new Degree(168.39861111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Mount Pleasant 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_PLEASANT_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Mount Pleasant 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Pleasant mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.590555555556),`
	`  longitudeOfNaturalOrigin: new Degree(172.72694444444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Mount York 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_MOUNT_YORK_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Mount York 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount York mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.563611111111),`
	`  longitudeOfNaturalOrigin: new Degree(167.73861111111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / NZCS2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_NZCS2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: New Zealand Continental Shelf Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - offshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfFalseOrigin: new Degree(-41),`
	`  longitudeOfFalseOrigin: new Degree(173),`
	`  latitudeOf1stStandardParallel: new Degree(-37.5),`
	`  latitudeOf2ndStandardParallel: new Degree(-44.5),`
	`  eastingAtFalseOrigin: new Metre(3000000),`
	`  northingAtFalseOrigin: new Metre(7000000)`
	`)`

NZGD2000 / Nelson 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_NELSON_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Nelson 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.274444444444),`
	`  longitudeOfNaturalOrigin: new Degree(173.29916666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / New Zealand Transverse Mercator 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_NEW_ZEALAND_TRANSVERSE_MERCATOR_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: New Zealand Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(173),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1600000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / North Taieri 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_NORTH_TAIERI_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: North Taieri 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - North Taieri mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.861388888889),`
	`  longitudeOfNaturalOrigin: new Degree(170.2825),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Observation Point 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_OBSERVATION_POINT_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Observation Point 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Observation Point mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-45.816111111111),`
	`  longitudeOfNaturalOrigin: new Degree(170.62833333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Okarito 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_OKARITO_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Okarito 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Okarito mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-43.11),`
	`  longitudeOfNaturalOrigin: new Degree(170.26083333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Poverty Bay 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_POVERTY_BAY_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Poverty Bay 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Poverty Bay mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-38.624444444444),`
	`  longitudeOfNaturalOrigin: new Degree(177.88555555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Raoul Island TM 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_RAOUL_ISLAND_TM_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Raoul Island Transverse Mercator 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Raoul and Kermadec Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-178),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / Taranaki 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_TARANAKI_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Taranaki 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-39.135555555556),`
	`  longitudeOfNaturalOrigin: new Degree(174.22777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Timaru 2000

```
Projected::fromSRID(Projected::EPSG_NZGD2000_TIMARU_2000)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Timaru 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Timaru mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-44.401944444444),`
	`  longitudeOfNaturalOrigin: new Degree(171.05722222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Tuhirangi 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_TUHIRANGI_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Tuhirangi 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Tuhirangi mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-39.512222222222),`
	`  longitudeOfNaturalOrigin: new Degree(175.64),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / UTM zone 1S

`Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_1S)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_58S)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / UTM zone 59S

```
Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_59S)
```

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / UTM zone 60S

`Projected::fromSRID(Projected::EPSG_NZGD2000_UTM_ZONE_60S)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD2000 / Wairarapa 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_WAIRARAPA_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Wairarapa 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wairarapa mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-40.925277777778),`
	`  longitudeOfNaturalOrigin: new Degree(175.64722222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Wanganui 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_WANGANUI_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Wanganui 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wanganui mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-40.241944444444),`
	`  longitudeOfNaturalOrigin: new Degree(175.48805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD2000 / Wellington 2000

`Projected::fromSRID(Projected::EPSG_NZGD2000_WELLINGTON_2000)`

to NZGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Wellington 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-41.301111111111),`
	`  longitudeOfNaturalOrigin: new Degree(174.77638888889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

NZGD49 / Amuri Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_AMURI_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Amuri Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Amuri mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-42.689116583333),`
	`  longitudeOfNaturalOrigin: new Degree(173.01013338889),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Bay of Plenty Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_BAY_OF_PLENTY_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Bay of Plenty Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Bay of Plenty mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-37.761249805556),`
	`  longitudeOfNaturalOrigin: new Degree(176.46619725),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Bluff Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_BLUFF_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Bluff Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South and Stewart Islands - Bluff mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-46.600009611111),`
	`  longitudeOfNaturalOrigin: new Degree(168.342872),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300002.66),`
	`  falseNorthing: new Metre(699999.58)`
	`)`

NZGD49 / Buller Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_BULLER_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Buller Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Buller mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-41.810802861111),`
	`  longitudeOfNaturalOrigin: new Degree(171.58126005556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Collingwood Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_COLLINGWOOD_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Collingwood Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Collingwood mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-40.714759055556),`
	`  longitudeOfNaturalOrigin: new Degree(172.6720465),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Gawler Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_GAWLER_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Gawler Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Gawler mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-43.748711555556),`
	`  longitudeOfNaturalOrigin: new Degree(171.36074847222),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Grey Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_GREY_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Grey Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Grey mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-42.333694277778),`
	`  longitudeOfNaturalOrigin: new Degree(171.54977130556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Hawkes Bay Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_HAWKES_BAY_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Hawkes Bay Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-39.650929305556),`
	`  longitudeOfNaturalOrigin: new Degree(176.67368052778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Hokitika Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_HOKITIKA_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Hokitika Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Hokitika mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-42.886322361111),`
	`  longitudeOfNaturalOrigin: new Degree(170.9799935),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Jacksons Bay Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_JACKSONS_BAY_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Jacksons Bay Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Jacksons Bay mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-43.977802888889),`
	`  longitudeOfNaturalOrigin: new Degree(168.606267),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Karamea Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_KARAMEA_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Karamea Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Karamea mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-41.289911527778),`
	`  longitudeOfNaturalOrigin: new Degree(172.10902819444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Lindis Peak Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_LINDIS_PEAK_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Lindis Peak Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lindis Peak mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-44.735267972222),`
	`  longitudeOfNaturalOrigin: new Degree(169.46775508333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Marlborough Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_MARLBOROUGH_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Marlborough Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Marlborough mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-41.544486666667),`
	`  longitudeOfNaturalOrigin: new Degree(173.80207411111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Mount Eden Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_EDEN_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Mount Eden Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Mount Eden mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-36.879865277778),`
	`  longitudeOfNaturalOrigin: new Degree(174.76433936111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Mount Nicholas Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_NICHOLAS_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Mount Nicholas Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Nicholas mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-45.132902583333),`
	`  longitudeOfNaturalOrigin: new Degree(168.39864119444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Mount Pleasant Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_PLEASANT_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Mount Pleasant Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount Pleasant mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-43.590637583333),`
	`  longitudeOfNaturalOrigin: new Degree(172.72719358333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Mount York Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_MOUNT_YORK_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Mount York Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Mount York mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-45.563726166667),`
	`  longitudeOfNaturalOrigin: new Degree(167.73886177778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Nelson Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_NELSON_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Nelson Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-41.274544722222),`
	`  longitudeOfNaturalOrigin: new Degree(173.29931680556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / New Zealand Map Grid

```
Projected::fromSRID(Projected::EPSG_NZGD49_NEW_ZEALAND_MAP_GRID)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: New Zealand Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - onshore
	`$point->newZealandMapGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-41),`
	`  longitudeOfNaturalOrigin: new Degree(173),`
	`  falseEasting: new Metre(2510000),`
	`  falseNorthing: new Metre(6023150)`
	`)`

NZGD49 / North Island Grid

```
Projected::fromSRID(Projected::EPSG_NZGD49_NORTH_ISLAND_GRID)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: New Zealand North Island National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-39),`
	`  longitudeOfNaturalOrigin: new Degree(175.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new BritishYard1922Sears(300000),`
	`  falseNorthing: new BritishYard1922Sears(400000)`
	`)`

NZGD49 / North Taieri Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_NORTH_TAIERI_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: North Taieri Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - North Taieri mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-45.861513361111),`
	`  longitudeOfNaturalOrigin: new Degree(170.28258911111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Observation Point Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_OBSERVATION_POINT_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Observation Point Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Observation Point mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-45.816196611111),`
	`  longitudeOfNaturalOrigin: new Degree(170.62859516667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Okarito Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_OKARITO_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Okarito Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Okarito mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-43.110128138889),`
	`  longitudeOfNaturalOrigin: new Degree(170.26092583333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Poverty Bay Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_POVERTY_BAY_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Poverty Bay Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Poverty Bay mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-38.624702777778),`
	`  longitudeOfNaturalOrigin: new Degree(177.88563627778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / South Island Grid

```
Projected::fromSRID(Projected::EPSG_NZGD49_SOUTH_ISLAND_GRID)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: New Zealand South Island National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South and Stewart Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-44),`
	`  longitudeOfNaturalOrigin: new Degree(171.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new BritishYard1922Sears(500000),`
	`  falseNorthing: new BritishYard1922Sears(500000)`
	`)`

NZGD49 / Taranaki Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_TARANAKI_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Taranaki Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-39.135758305556),`
	`  longitudeOfNaturalOrigin: new Degree(174.22801175),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Timaru Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_TIMARU_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Timaru Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Timaru mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-44.402220361111),`
	`  longitudeOfNaturalOrigin: new Degree(171.05725083333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Tuhirangi Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_TUHIRANGI_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Tuhirangi Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Tuhirangi mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-39.512470388889),`
	`  longitudeOfNaturalOrigin: new Degree(175.64003680556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_58S)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD49 / UTM zone 59S

`Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_59S)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD49 / UTM zone 60S

```
Projected::fromSRID(Projected::EPSG_NZGD49_UTM_ZONE_60S)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

NZGD49 / Wairarapa Circuit

```
Projected::fromSRID(Projected::EPSG_NZGD49_WAIRARAPA_CIRCUIT)
```

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Wairarapa Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wairarapa mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-40.925532638889),`
	`  longitudeOfNaturalOrigin: new Degree(175.64734966667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Wanganui Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_WANGANUI_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Wanganui Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wanganui mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-40.241947138889),`
	`  longitudeOfNaturalOrigin: new Degree(175.48809961111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

NZGD49 / Wellington Circuit

`Projected::fromSRID(Projected::EPSG_NZGD49_WELLINGTON_CIRCUIT)`

to NZGD49 (Geographic2D)

EPSG	PHPCoord

Name: Wellington Circuit
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington mc
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NZGD49),`
	`  latitudeOfNaturalOrigin: new Degree(-41.301319638889),`
	`  longitudeOfNaturalOrigin: new Degree(174.77662311111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(700000)`
	`)`

Nahrwan 1934 / Iraq zone

`Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_IRAQ_ZONE)`

to Nahrwan 1934 (Geographic2D)

EPSG	PHPCoord

Name: Iraq zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Iraq zone
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1934),`
	`  latitudeOfNaturalOrigin: new Degree(32.5),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9987864078),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(1166200)`
	`)`

Nahrwan 1934 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_37N)`

to Nahrwan 1934 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1934),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nahrwan 1934 / UTM zone 38N

`Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_38N)`

to Nahrwan 1934 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1934),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nahrwan 1934 / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_NAHRWAN_1934_UTM_ZONE_39N)`

to Nahrwan 1934 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1934),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nahrwan 1967 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_39N)
```

to Nahrwan 1967 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1967),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nahrwan 1967 / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_NAHRWAN_1967_UTM_ZONE_40N)
```

to Nahrwan 1967 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAHRWAN_1967),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nakhl-e Ghanem / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_NAKHL_E_GHANEM_UTM_ZONE_39N)
```

to Nakhl-e Ghanem (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAKHL_E_GHANEM),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Naparima 1955 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_NAPARIMA_1955_UTM_ZONE_20N)
```

to Naparima 1955 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAPARIMA_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Naparima 1972 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_NAPARIMA_1972_UTM_ZONE_20N)
```

to Naparima 1972 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NAPARIMA_1972),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 102E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_102E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_105E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 108E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_108E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_111E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 114E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_114E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_117E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 120E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_120E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_123E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 126E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_126E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_129E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 132E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_132E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_135E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_75E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 78E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_78E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_81E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 84E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_84E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_87E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 90E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_90E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 93E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_93E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 96E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_96E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_CM_99E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 25

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_25)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_26)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 27

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_27)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 28

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_28)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_29)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 30

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_30)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 31

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_31)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 32

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_32)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 33

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_33)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 34

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_34)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 35

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_35)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 36

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_36)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 37

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_37)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 38

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_38)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 39

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_39)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 40

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_40)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 41

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_41)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 42

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_42)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 43

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_43)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 44

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_44)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / 3-degree Gauss-Kruger zone 45

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_3_DEGREE_GAUSS_KRUGER_ZONE_45)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_105E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_111E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_117E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 123E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_123E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_129E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_135E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_75E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_81E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_87E)`

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_93E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger CM 99E

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_CM_99E)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_13)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_14)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_15)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 16

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_16)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 17

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_17)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_18)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_19)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_20)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_21)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_22)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

New Beijing / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_NEW_BEIJING_GAUSS_KRUGER_ZONE_23)
```

to New Beijing (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NEW_BEIJING),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nord Sahara 1959 / Nord Algerie

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_NORD_ALGERIE)
```

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: Nord Algerie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500135),`
	`  falseNorthing: new Metre(300090)`
	`)`

Nord Sahara 1959 / Sud Algerie

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_SUD_ALGERIE)
```

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: Sud Algerie
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - 31°30'N to 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500135),`
	`  falseNorthing: new Metre(300090)`
	`)`

Nord Sahara 1959 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_29N)
```

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nord Sahara 1959 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_30N)
```

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nord Sahara 1959 / UTM zone 31N

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_31N)
```

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Nord Sahara 1959 / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_NORD_SAHARA_1959_UTM_ZONE_32N)
```

to Nord Sahara 1959 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_NORD_SAHARA_1959),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD14 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_39N)
```

to ONGD14 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ONGD14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD14 / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_40N)`

to ONGD14 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ONGD14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD14 / UTM zone 41N

`Projected::fromSRID(Projected::EPSG_ONGD14_UTM_ZONE_41N)`

to ONGD14 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ONGD14),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD17 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_39N)
```

to ONGD17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ONGD17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD17 / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_40N)
```

to ONGD17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ONGD17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ONGD17 / UTM zone 41N

```
Projected::fromSRID(Projected::EPSG_ONGD17_UTM_ZONE_41N)
```

to ONGD17 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ONGD17),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

OSGB36 / British National Grid

```
Projected::fromSRID(Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID)
```

to ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: ETRS89 to OSGB36 / British National Grid (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->OSTN15(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ETRS89),`
	`  eastingAndNorthingDifferenceFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

to OSGB36 (Geographic2D)

EPSG	PHPCoord

Name: British National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OSGB36),`
	`  latitudeOfNaturalOrigin: new Degree(49),`
	`  longitudeOfNaturalOrigin: new Degree(-2),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996012717),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(-100000)`
	`)`

OSNI 1952 / Irish National Grid

`Projected::fromSRID(Projected::EPSG_OSNI_1952_IRISH_NATIONAL_GRID)`

to OSNI 1952 (Geographic2D)

EPSG	PHPCoord

Name: Irish National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OSNI_1952),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(250000)`
	`)`

Ocotepeque 1935 / Costa Rica Norte

`Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_NORTE)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Costa Rica Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore north of 9°32'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(10.`
	`↪466666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-84.`
	`↪333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99995696),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(271820.522)`
	`)`

Ocotepeque 1935 / Costa Rica Sur

`Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_COSTA_RICA_SUR)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Costa Rica Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Costa Rica - onshore south of 9°56'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(9),`
	`  longitudeOfNaturalOrigin: new Degree(-83.`
	`↪666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.`
	`↪99995696),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(327987.436)`
	`)`

Ocotepeque 1935 / El Salvador Lambert

`Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_EL_SALVADOR_LAMBERT)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: El Salvador Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: El Salvador - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(13.783333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-89),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99996704),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(295809.184)`
	`)`

Ocotepeque 1935 / Guatemala Norte

`Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_NORTE)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Guatemala Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guatemala - north of 15°51'30N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(16.816666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99992226),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(292209.579)`
	`)`

Ocotepeque 1935 / Guatemala Sur

`Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_GUATEMALA_SUR)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Guatemala Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guatemala - south of 15°51'30N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(14.9),`
	`  longitudeOfNaturalOrigin: new Degree(-90.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99989906),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(325992.681)`
	`)`

Ocotepeque 1935 / Nicaragua Norte

`Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_NORTE)`

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Nicaragua Norte
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nicaragua - onshore north of 12°48'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(13.866666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99990314),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(359891.816)`
	`)`

Ocotepeque 1935 / Nicaragua Sur

```
Projected::fromSRID(Projected::EPSG_OCOTEPEQUE_1935_NICARAGUA_SUR)
```

to Ocotepeque 1935 (Geographic2D)

EPSG	PHPCoord

Name: Nicaragua Sur
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Nicaragua - onshore south of 12°48'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OCOTEPEQUE_1935),`
	`  latitudeOfNaturalOrigin: new Degree(11.733333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-85.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99992228),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(288876.327)`
	`)`

Old Hawaiian / Hawaii zone 1

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_1)
```

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Hawaii CS27 zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - island of Hawaii - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN),`
	`  latitudeOfNaturalOrigin: new Degree(18.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-155.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

Old Hawaiian / Hawaii zone 2

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_2)
```

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Hawaii CS27 zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN),`
	`  latitudeOfNaturalOrigin: new Degree(20.333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-156.66666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999966667),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

Old Hawaiian / Hawaii zone 3

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_3)
```

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Hawaii CS27 zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Oahu - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN),`
	`  latitudeOfNaturalOrigin: new Degree(21.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-158),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

Old Hawaiian / Hawaii zone 4

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_4)
```

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Hawaii CS27 zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Kauai - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN),`
	`  latitudeOfNaturalOrigin: new Degree(21.833333333333),`
	`  longitudeOfNaturalOrigin: new Degree(-159.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

Old Hawaiian / Hawaii zone 5

```
Projected::fromSRID(Projected::EPSG_OLD_HAWAIIAN_HAWAII_ZONE_5)
```

to Old Hawaiian (Geographic2D)

EPSG	PHPCoord

Name: Hawaii CS27 zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Hawaii - Niihau - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OLD_HAWAIIAN),`
	`  latitudeOfNaturalOrigin: new Degree(21.666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-160.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new USSurveyFoot(500000),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

Ostenfeld reconstruction

`Projected::fromSRID(Projected::EPSG_OSTENFELD_RECONSTRUCTION)`

to Ostenfeld-IRF (Geographic2D)

EPSG	PHPCoord

Name: Ostenfeld-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - northern Schleswig
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OSTENFELD_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(54.4685),`
	`  longitudeOfNaturalOrigin: new Degree(9.233),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

OxWo08 Grid

`Projected::fromSRID(Projected::EPSG_OXWO08_GRID)`

to OxWo08-IRF (Geographic2D)

EPSG	PHPCoord

Name: OxWo08-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Oxford to Worcester
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_OXWO08_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(51.95),`
	`  longitudeOfNaturalOrigin: new Degree(-1.7),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(134791.6965),`
	`  falseNorthing: new Metre(121872.5056)`
	`)`

PD/83 / 3-degree Gauss-Kruger zone 3

`Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_3)`

to PD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PD/83 / 3-degree Gauss-Kruger zone 3 (E-N)

`Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)`

to PD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PD/83 / 3-degree Gauss-Kruger zone 4

`Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)`

to PD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PD/83 / 3-degree Gauss-Kruger zone 4 (E-N)

`Projected::fromSRID(Projected::EPSG_PD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)`

to PD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PN68 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_PN68_UTM_ZONE_27N)`

to PN68 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PN68),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PN68 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_PN68_UTM_ZONE_28N)`

to PN68 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PN68),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PN84 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_PN84_UTM_ZONE_27N)`

to PN84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PN84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PN84 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_PN84_UTM_ZONE_28N)`

to PN84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PN84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PNG94 / PNGMG94 zone 54

`Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_54)`

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - west of 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PNG94 / PNGMG94 zone 55

`Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_55)`

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PNG94 / PNGMG94 zone 56

`Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_56)`

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PNG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PNG94 / PNGMG94 zone 57

`Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_57)`

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PNG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PNG94 / PNGMG94 zone 58

```
Projected::fromSRID(Projected::EPSG_PNG94_PNGMG94_ZONE_58)
```

to PNG94 (Geographic2D)

EPSG	PHPCoord

Name: Papua New Guinea Map Grid 1994 zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - east of 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PNG94),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

POSGAR 2007 / Argentina 1

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_1)
```

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / Argentina 2

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_2)
```

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / Argentina 3

```
Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_3)
```

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / Argentina 4

`Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_4)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / Argentina 5

`Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_5)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / Argentina 6

`Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_6)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / Argentina 7

`Projected::fromSRID(Projected::EPSG_POSGAR_2007_ARGENTINA_7)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 2007 / CABA 2019

`Projected::fromSRID(Projected::EPSG_POSGAR_2007_CABA_2019)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CABA 2019
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - Buenos Aires city
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(-34.629266666667),`
	`  longitudeOfNaturalOrigin: new Degree(-58.463308333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20000),`
	`  falseNorthing: new Metre(70000)`
	`)`

POSGAR 2007 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_POSGAR_2007_UTM_ZONE_19S)`

to POSGAR 2007 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_2007),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

POSGAR 94 / Argentina 1

`Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_1)`

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 94 / Argentina 2

`Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_2)`

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 94 / Argentina 3

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_3)
```

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 94 / Argentina 4

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_4)
```

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 94 / Argentina 5

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_5)
```

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 94 / Argentina 6

```
Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_6)
```

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 94 / Argentina 7

`Projected::fromSRID(Projected::EPSG_POSGAR_94_ARGENTINA_7)`

to POSGAR 94 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_94),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 1

`Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_1)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 2

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_2)
```

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 3

```
Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_3)
```

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 4

`Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_4)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 64.5°W to 61.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 5

`Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_5)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 61.5°W to 58.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 6

`Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_6)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 58.5°W to 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

POSGAR 98 / Argentina 7

`Projected::fromSRID(Projected::EPSG_POSGAR_98_ARGENTINA_7)`

to POSGAR 98 (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - east of 55.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POSGAR_98),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PRS92 / Philippines zone 1

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_1)
```

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone I
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PRS92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PRS92 / Philippines zone 2

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_2)
```

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone II
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PRS92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PRS92 / Philippines zone 3

`Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_3)`

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone III
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PRS92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PRS92 / Philippines zone 4

`Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_4)`

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone IV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PRS92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PRS92 / Philippines zone 5

```
Projected::fromSRID(Projected::EPSG_PRS92_PHILIPPINES_ZONE_5)
```

to PRS92 (Geographic2D)

EPSG	PHPCoord

Name: Philippines zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Philippines - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PRS92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99995),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSAD56 / ICN Regional

```
Projected::fromSRID(Projected::EPSG_PSAD56_ICN_REGIONAL)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: ICN Regional
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Venezuela
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfFalseOrigin: new Degree(6),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(9),`
	`  latitudeOf2ndStandardParallel: new Degree(3),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

PSAD56 / Peru central zone

`Projected::fromSRID(Projected::EPSG_PSAD56_PERU_CENTRAL_ZONE)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: Peru central zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru - 79°W to 73°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(-9.5),`
	`  longitudeOfNaturalOrigin: new Degree(-76),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99932994),`
	`  falseEasting: new Metre(720000),`
	`  falseNorthing: new Metre(1039979.159)`
	`)`

PSAD56 / Peru east zone

`Projected::fromSRID(Projected::EPSG_PSAD56_PERU_EAST_ZONE)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: Peru east zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru - east of 73°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(-9.5),`
	`  longitudeOfNaturalOrigin: new Degree(-70.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99952992),`
	`  falseEasting: new Metre(1324000),`
	`  falseNorthing: new Metre(1040084.558)`
	`)`

PSAD56 / Peru west zone

`Projected::fromSRID(Projected::EPSG_PSAD56_PERU_WEST_ZONE)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: Peru west zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Peru - west of 79°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(-6),`
	`  longitudeOfNaturalOrigin: new Degree(-80.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99983008),`
	`  falseEasting: new Metre(222000),`
	`  falseNorthing: new Metre(1426834.743)`
	`)`

PSAD56 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17N)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSAD56 / UTM zone 17S

`Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_17S)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PSAD56 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18N)`

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSAD56 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_18S)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PSAD56 / UTM zone 19N

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19N)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSAD56 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_19S)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PSAD56 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20N)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSAD56 / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_20S)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PSAD56 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21N)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSAD56 / UTM zone 21S

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_21S)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PSAD56 / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_PSAD56_UTM_ZONE_22S)
```

to PSAD56 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSAD56),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

PSD93 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_39N)
```

to PSD93 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSD93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PSD93 / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_PSD93_UTM_ZONE_40N)
```

to PSD93 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PSD93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PTRA08 / LAEA Europe

`Projected::fromSRID(Projected::EPSG_PTRA08_LAEA_EUROPE)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

PTRA08 / LCC Europe

`Projected::fromSRID(Projected::EPSG_PTRA08_LCC_EUROPE)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

PTRA08 / UTM zone 25N

`Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_25N)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PTRA08 / UTM zone 26N

`Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_26N)`

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PTRA08),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

PTRA08 / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_PTRA08_UTM_ZONE_28N)
```

to PTRA08 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PTRA08),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Palestine 1923 / Israeli CS Grid

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_ISRAELI_CS_GRID)
```

to Palestine 1923 (Geographic2D)

EPSG	PHPCoord

Name: Israeli CS
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel and Palestine Territory onshore
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PALESTINE_1923),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(1126867.909)`
	`)`

Palestine 1923 / Palestine Belt

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_BELT)
```

to Palestine 1923 (Geographic2D)

EPSG	PHPCoord

Name: Palestine Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel, Jordan and Palestine onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PALESTINE_1923),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(1126867.909)`
	`)`

Palestine 1923 / Palestine Grid

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID)
```

to Palestine 1923 (Geographic2D)

EPSG	PHPCoord

Name: Palestine Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel, Jordan and Palestine onshore
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PALESTINE_1923),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(126867.909)`
	`)`

Palestine 1923 / Palestine Grid modified

```
Projected::fromSRID(Projected::EPSG_PALESTINE_1923_PALESTINE_GRID_MODIFIED)
```

to Palestine 1923 (Geographic2D)

EPSG	PHPCoord

Name: Palestine Grid modified
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Middle East - Israel, Jordan and Palestine onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PALESTINE_1923),`
	`  latitudeOfNaturalOrigin: new Degree(31.734096944444),`
	`  longitudeOfNaturalOrigin: new Degree(35.212080555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(170251.555),`
	`  falseNorthing: new Metre(126867.909)`
	`)`

Pampa del Castillo / Argentina 1

```
Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_1)
```

to Pampa del Castillo (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pampa del Castillo / Argentina 2

```
Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_2)
```

to Pampa del Castillo (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pampa del Castillo / Argentina 3

```
Projected::fromSRID(Projected::EPSG_PAMPA_DEL_CASTILLO_ARGENTINA_3)
```

to Pampa del Castillo (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 67.5°W to 64.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PAMPA_DEL_CASTILLO),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Panama-Colon 1911 / Panama Lambert

`Projected::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_LAMBERT)`

to Panama-Colon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Panama Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Panama - onshore
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PANAMA_COLON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(8.4166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-80),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99989909),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(294865.303)`
	`)`

Panama-Colon 1911 / Panama Polyconic

`Projected::fromSRID(Projected::EPSG_PANAMA_COLON_1911_PANAMA_POLYCONIC)`

to Panama-Colon 1911 (Geographic2D)

EPSG	PHPCoord

Name: Panama Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Panama - onshore
	`$point->americanPolyconic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PANAMA_COLON_1911),`
	`  latitudeOfNaturalOrigin: new Degree(8.25),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  falseEasting: new ClarkeYard(1000000),`
	`  falseNorthing: new ClarkeYard(1092972.1)`
	`)`

Perroud 1950 / Terre Adelie Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_PERROUD_1950_TERRE_ADELIE_POLAR_STEREOGRAPHIC)
```

to Perroud 1950 (Geographic2D)

EPSG	PHPCoord

Name: Terre Adelie Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land coastal area
	`$point->polarStereographicVariantC(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PERROUD_1950),`
	`  latitudeOfStandardParallel: new Degree(-67),`
	`  longitudeOfOrigin: new Degree(140),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

Peru96 / UTM zone 17S

```
Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_17S)
```

to Peru96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PERU96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Peru96 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_18S)
```

to Peru96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PERU96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Peru96 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_PERU96_UTM_ZONE_19S)`

to Peru96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PERU96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Petrels 1972 / Terre Adelie Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_PETRELS_1972_TERRE_ADELIE_POLAR_STEREOGRAPHIC)
```

to Petrels 1972 (Geographic2D)

EPSG	PHPCoord

Name: Terre Adelie Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Adelie Land coastal area
	`$point->polarStereographicVariantC(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PETRELS_1972),`
	`  latitudeOfStandardParallel: new Degree(-67),`
	`  longitudeOfOrigin: new Degree(140),`
	`  eastingAtFalseOrigin: new Metre(300000),`
	`  northingAtFalseOrigin: new Metre(200000)`
	`)`

Pitcairn 1967 / UTM zone 9S

```
Projected::fromSRID(Projected::EPSG_PITCAIRN_1967_UTM_ZONE_9S)
```

to Pitcairn 1967 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PITCAIRN_1967),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Pitcairn 2006 / Pitcairn TM 2006

```
Projected::fromSRID(Projected::EPSG_PITCAIRN_2006_PITCAIRN_TM_2006)
```

to Pitcairn 2006 (Geographic2D)

EPSG	PHPCoord

Name: Pitcairn TM 2006
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pitcairn - Pitcairn Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PITCAIRN_2006),`
	`  latitudeOfNaturalOrigin: new Degree(-25.068552611111),`
	`  longitudeOfNaturalOrigin: new Degree(-130.11296711111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14200),`
	`  falseNorthing: new Metre(15500)`
	`)`

Pointe Noire / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_POINTE_NOIRE_UTM_ZONE_32S)`

to Pointe Noire (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_POINTE_NOIRE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Porto Santo / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_PORTO_SANTO_UTM_ZONE_28N)`

to Porto Santo (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Porto Santo 1995 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_PORTO_SANTO_1995_UTM_ZONE_28N)`

to Porto Santo 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PORTO_SANTO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Puerto Rico / St. Croix

`Projected::fromSRID(Projected::EPSG_PUERTO_RICO_ST_CROIX)`

to Puerto Rico (Geographic2D)

EPSG	PHPCoord

Name: St. Croix CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Virgin Islands, US - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PUERTO_RICO),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(500000),`
	`  northingAtFalseOrigin: new USSurveyFoot(100000)`
	`)`

Puerto Rico / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_PUERTO_RICO_UTM_ZONE_20N)`

to Puerto Rico (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PUERTO_RICO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Puerto Rico State Plane CS of 1927

```
Projected::fromSRID(Projected::EPSG_PUERTO_RICO_STATE_PLANE_CS_OF_1927)
```

to Puerto Rico (Geographic2D)

EPSG	PHPCoord

Name: Puerto Rico CS27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Puerto Rico - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PUERTO_RICO),`
	`  latitudeOfFalseOrigin: new Degree(17.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-66.433333333333),`
	`  latitudeOf1stStandardParallel: new Degree(18.433333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(18.033333333333),`
	`  eastingAtFalseOrigin: new USSurveyFoot(500000),`
	`  northingAtFalseOrigin: new USSurveyFoot(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 102E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_102E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 105E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_105E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 108E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_108E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 111E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_111E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 114E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_114E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_117E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 120E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_120E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_123E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 126E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_126E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_129E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 132E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_132E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 135E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_135E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 138E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_138E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 138E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 141E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_141E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 144E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_144E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 144E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 147E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_147E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 150E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_150E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 150E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 153E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_153E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 156E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_156E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 156E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 159E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_159E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 162E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_162E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 162E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 165E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_165E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 168E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_168E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 168W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_168W)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 171E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_171E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 171W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_171W)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 174E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_174E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 174W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_174W)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 177E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_177E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 177W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_177W)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 180E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_180E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 180E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 21E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_21E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 24E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_24E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 24E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 27E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_27E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 30E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_30E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 33E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_33E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 36E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_36E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 39E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_39E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 42E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_42E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 45E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_45E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 48E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_48E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 48E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 51E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_51E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 54E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_54E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 54E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 57E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_57E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 60E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_60E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 60E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 63E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_63E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 66E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_66E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 66E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 69E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_69E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 72E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_72E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 72E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_75E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 78E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_78E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 81E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_81E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 84E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_84E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_87E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 90E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_90E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 93E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_93E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 96E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_96E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger CM 99E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_CM_99E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_10)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 11

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_11)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 12

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_12)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_13)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_14)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 15

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_15)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 16

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_16)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 17

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_17)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 051°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_18)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_19)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 057°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_20)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_21)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 063°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_22)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_23)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 069°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 24

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_24)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 25

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_25)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_26)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 27

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_27)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_28)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_29)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 30

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_30)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 31

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_31)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 32

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_32)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 33

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_33)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 34

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_34)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 35

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_35)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 36

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_36)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 37

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_37)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 38

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_38)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 39

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_39)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 40

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_40)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 41

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_41)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 42

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_42)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 43

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_43)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 44

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_44)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 45

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_45)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 46

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_46)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(46500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 47

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_47)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 141°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(47500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 48

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_48)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(48500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 49

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_49)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 147°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 50

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_50)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 51

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_51)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 153°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(51500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 52

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_52)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(52500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 53

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_53)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 159°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(53500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 54

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_54)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(54500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 55

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_55)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 165°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(55500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 56

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_56)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 57

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_57)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(57500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 58

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_58)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(58500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 59

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_59)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(59500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 60

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_60)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(60500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 61

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_61)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 61
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(61500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 62

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_62)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 62
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(62500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 63

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_63)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 63
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(63500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 64

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_64)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 64
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 7

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_7)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 8

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_8)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / 3-degree Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_3_DEGREE_GAUSS_KRUGER_ZONE_9)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone A1

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A1)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone A1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A1
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(41.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone A2

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A2)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone A2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A2
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(44.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone A3

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A3)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone A3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(47.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone A4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_A4)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone A4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone A4
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.11666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(50.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone C0

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C0)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone C0
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU - CS63 zone C0
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.1),`
	`  longitudeOfNaturalOrigin: new Degree(21.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone C1

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C1)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone C1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU - CS63 zone C1
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.1),`
	`  longitudeOfNaturalOrigin: new Degree(24.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1250000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone C2

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_C2)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone C2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - FSU - CS63 zone C2
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.1),`
	`  longitudeOfNaturalOrigin: new Degree(27.95),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2250000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone K2

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K2)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone K2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone K2
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.13333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(50.766666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone K3

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K3)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone K3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone K3
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.13333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(53.766666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone K4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_K4)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone K4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - CS63 zone K4
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.13333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(56.766666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X1

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X1)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - west of 25°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(23.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X2

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X2)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 25°E to 28°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(26.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X3

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X3)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 28°E to 31°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(29.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X4)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 31°E to 34°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(32.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X5

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X5)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 34°E to 37°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(35.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X6

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X6)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 37°E to 40°E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(38.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / CS63 zone X7

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CS63_ZONE_X7)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: CS63 zone X7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - east of 40°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0.083333333333333),`
	`  longitudeOfNaturalOrigin: new Degree(41.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7300000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Caspian Sea Mercator

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_CASPIAN_SEA_MERCATOR)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Caspian Sea Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - Caspian Sea
	`$point->mercatorVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOf1stStandardParallel: new Degree(42),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_105E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_111E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_117E)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 123E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_123E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_129E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 135E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_135E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 141E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_141E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 147E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_147E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 153E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_153E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 159E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_159E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 165E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_165E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 171E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 171W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_171W)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 177E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 177W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_177W)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 21E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_21E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 27E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_27E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 33E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_33E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 39E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_39E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 45E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_45E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 51E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_51E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 57E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_57E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 63E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_63E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 69E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_69E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 75E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_75E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 81E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_81E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 87E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_87E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_93E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger CM 99E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_CM_99E)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_10)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 11

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_11)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 12

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_12)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_13)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_14)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_15)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 16

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_16)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 17

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_17)`

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_18)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_19)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_20)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_21)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_22)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_23)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 24

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_24)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 25

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_25)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_26)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 27

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_27)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_28)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_29)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 30

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_30)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 31

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_31)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_32)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_4)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_5)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 6

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_6)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 7

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_7)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 8

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_8)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942 / Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_GAUSS_KRUGER_ZONE_9)
```

to Pulkovo 1942 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_10)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_3)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 3 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_4)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 4 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_5)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 5 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 6

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_6)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 018°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 7

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_7)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 8

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_8)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / 3-degree Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_3_DEGREE_GAUSS_KRUGER_ZONE_9)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / GUGiK-80

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GUGIK_80)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: GUGiK-80
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(52.166666666667),`
	`  longitudeOfNaturalOrigin: new Degree(19.166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999714),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Pulkovo 1942(58) / Gauss-Kruger zone 2

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / Gauss-Kruger zone 2 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_2_E_N)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / Gauss-Kruger zone 3

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / Gauss-Kruger zone 3 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_3_E_N)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_4)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_GAUSS_KRUGER_ZONE_5)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(58) / Poland zone I

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_I)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Poland zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone I
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(50.625),`
	`  longitudeOfNaturalOrigin: new Degree(21.083333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(4637000),`
	`  falseNorthing: new Metre(5467000)`
	`)`

Pulkovo 1942(58) / Poland zone II

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_II)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Poland zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone II
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(53.001944444444),`
	`  longitudeOfNaturalOrigin: new Degree(21.502777777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(4603000),`
	`  falseNorthing: new Metre(5806000)`
	`)`

Pulkovo 1942(58) / Poland zone III

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_III)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Poland zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone III
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(53.583333333333),`
	`  longitudeOfNaturalOrigin: new Degree(17.008333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(3501000),`
	`  falseNorthing: new Metre(5999000)`
	`)`

Pulkovo 1942(58) / Poland zone IV

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_IV)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Poland zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone IV
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(51.670833333333),`
	`  longitudeOfNaturalOrigin: new Degree(16.672222222222),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998),`
	`  falseEasting: new Metre(3703000),`
	`  falseNorthing: new Metre(5627000)`
	`)`

Pulkovo 1942(58) / Poland zone V

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_POLAND_ZONE_V)
```

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Poland zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.958333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999983),`
	`  falseEasting: new Metre(237000),`
	`  falseNorthing: new Metre(-4700000)`
	`)`

Pulkovo 1942(58) / Stereo70

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_58_STEREO70)`

to Pulkovo 1942(58) (Geographic2D)

EPSG	PHPCoord

Name: Stereo 70
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania
	`$point->obliqueStereographic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_58),`
	`  latitudeOfNaturalOrigin: new Degree(46),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99975),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_3)`

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 3 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_3_E_N)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 4 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_5)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 5 (E-N)

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)`

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 6

`Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_6)`

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 018°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 7

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_7)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / 3-degree Gauss-Kruger zone 8

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_3_DEGREE_GAUSS_KRUGER_ZONE_8)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / Gauss-Kruger zone 2

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / Gauss-Kruger zone 2 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_2_E_N)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 009°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / Gauss-Kruger zone 3

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / Gauss-Kruger zone 3 (E-N)

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_3_E_N)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1942(83) / Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1942_83_GAUSS_KRUGER_ZONE_4)
```

to Pulkovo 1942(83) (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1942_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 102E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_102E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 105E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_105E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 108E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_108E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 111E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_111E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 114E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_114E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 117E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_117E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 120E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_120E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 123E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_123E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 126E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_126E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_129E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 132E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_132E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 135E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_135E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 138E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_138E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 138E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 141E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_141E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 144E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_144E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 144E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 147E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_147E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 150E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_150E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 150E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 153E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_153E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 156E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_156E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 156E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 159E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_159E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 162E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_162E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 162E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 165E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_165E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 168E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_168E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 168W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_168W)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 168W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 171E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_171E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 171W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_171W)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 174E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_174E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 174W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_174W)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 174W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 177E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_177E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 177W

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_177W)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 180E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_180E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 180E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 21E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_21E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 24E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_24E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 24E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 27E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_27E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 30E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_30E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 33E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_33E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 36E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_36E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 39E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_39E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 42E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_42E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 45E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_45E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 48E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_48E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 48E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 51E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_51E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 54E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_54E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 54E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 57E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_57E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 60E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_60E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 60E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 63E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_63E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 66E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_66E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 66E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 69E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_69E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 72E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_72E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 72E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_75E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 78E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_78E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_81E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 84E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_84E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 87E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_87E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 90E

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_90E)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_93E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 96E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_96E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger CM 99E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_CM_99E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_10)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 11

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_11)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 12

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_12)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_13)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_14)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_15)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 16

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_16)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 048°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 17

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_17)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 051°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 18

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_18)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 054°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(54),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_19)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 057°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_20)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 060°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(60),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_21)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 063°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_22)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 066°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(66),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_23)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 069°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 24

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_24)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 072°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 25

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_25)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_26)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 27

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_27)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_28)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_29)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 30

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_30)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 31

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_31)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_32)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 33

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_33)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 34

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_34)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 35

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_35)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 36

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_36)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 37

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_37)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 38

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_38)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 39

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_39)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 40

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_40)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 41

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_41)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 42

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_42)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 43

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_43)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 44

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_44)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 45

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_45)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 46

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_46)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(138),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(46500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 47

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_47)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 47
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 141°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(47500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 48

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_48)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(144),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(48500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 49

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_49)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 49
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 147°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(49500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 50

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_50)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 51

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_51)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 153°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(51500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 52

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_52)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(156),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(52500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 53

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_53)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 53
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 159°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(53500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 54

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_54)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(162),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(54500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 55

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_55)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 165°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(55500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 56

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_56)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 57

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_57)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(57500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 58

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_58)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(58500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 59

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_59)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 59
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(59500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 60

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_60)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(60500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 61

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_61)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 61
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 177°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(61500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 62

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_62)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 62
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-174),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(62500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 63

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_63)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 63
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 171°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(63500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 64

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_64)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 64
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-168),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(64500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 7

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_7)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 8

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_8)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 024°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / 3-degree Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_3_DEGREE_GAUSS_KRUGER_ZONE_9)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 105E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_105E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 111E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_111E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 117E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_117E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 123E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_123E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 129E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_129E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 135E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_135E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 141E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_141E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 141E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 147E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_147E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 147E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 153E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_153E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 153E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 159E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_159E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 159E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 165E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_165E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 165E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 171E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_171E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 171W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_171W)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 171W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 177E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_177E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 177W

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_177W)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 177W
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 21E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_21E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 27E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_27E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 33E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_33E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 39E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_39E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 45E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_45E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 51E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_51E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 51E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 57E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_57E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 57E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 63E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_63E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 63E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 69E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_69E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 69E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 75E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_75E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 81E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_81E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 87E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_87E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_93E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger CM 99E

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_CM_99E)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_10)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 11

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_11)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 12

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_12)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_13)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_14)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_15)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 16

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_16)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 17

`Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_17)`

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_18)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_19)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_20)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_21)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_22)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_23)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 24

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_24)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(24500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 25

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_25)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 26

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_26)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 27

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_27)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_28)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_29)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 30

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_30)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 31

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_31)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_32)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_4)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_5)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 6

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_6)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 7

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_7)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 8

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_8)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Pulkovo 1995 / Gauss-Kruger zone 9

```
Projected::fromSRID(Projected::EPSG_PULKOVO_1995_GAUSS_KRUGER_ZONE_9)
```

to Pulkovo 1995 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_PULKOVO_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

QND95 / Qatar National Grid

```
Projected::fromSRID(Projected::EPSG_QND95_QATAR_NATIONAL_GRID)
```

to QND95 (Geographic2D)

EPSG	PHPCoord

Name: Qatar National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QND95),`
	`  latitudeOfNaturalOrigin: new Degree(24.45),`
	`  longitudeOfNaturalOrigin: new Degree(51.216666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Qatar 1948 / Qatar Grid

```
Projected::fromSRID(Projected::EPSG_QATAR_1948_QATAR_GRID)
```

to Qatar 1948 (Geographic2D)

EPSG	PHPCoord

Name: Qatar Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar - onshore
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1948),`
	`  latitudeOfNaturalOrigin: new Degree(25.382361111111),`
	`  longitudeOfNaturalOrigin: new Degree(50.761388888889),`
	`  falseEasting: new Metre(100000),`
	`  falseNorthing: new Metre(100000)`
	`)`

Qatar 1974 / Qatar National Grid

```
Projected::fromSRID(Projected::EPSG_QATAR_1974_QATAR_NATIONAL_GRID)
```

to Qatar 1974 (Geographic2D)

EPSG	PHPCoord

Name: Qatar National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Qatar
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QATAR_1974),`
	`  latitudeOfNaturalOrigin: new Degree(24.45),`
	`  longitudeOfNaturalOrigin: new Degree(51.216666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Qornoq 1927 / Greenland zone 2 west

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_2_WEST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 2 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 78°N to 81°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(79.5),`
	`  longitudeOfNaturalOrigin: new Degree(-64),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / Greenland zone 3 west

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_3_WEST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 3 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 75°N to 78°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(76.5),`
	`  longitudeOfNaturalOrigin: new Degree(-64),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / Greenland zone 4 west

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_4_WEST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 4 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 72°N to 75°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(73.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / Greenland zone 5 west

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_5_WEST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 5 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 69°N to 72°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(70.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / Greenland zone 6 west

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_6_WEST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 6 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 66°N to 69°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(67.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / Greenland zone 7 west

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_7_WEST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 7 west
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - west - 63°N to 66°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(64.5),`
	`  longitudeOfNaturalOrigin: new Degree(-52),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / Greenland zone 8 east

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_GREENLAND_ZONE_8_EAST)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 8 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - south of 63°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(61.5),`
	`  longitudeOfNaturalOrigin: new Degree(-48),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_QORNOQ_1927_UTM_ZONE_22N)`

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Qornoq 1927 / UTM zone 23N

```
Projected::fromSRID(Projected::EPSG_QORNOQ_1927_UTM_ZONE_23N)
```

to Qornoq 1927 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_QORNOQ_1927),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RBEPP12 Grid

```
Projected::fromSRID(Projected::EPSG_RBEPP12_GRID)
```

to RBEPP12-IRF (Geographic2D)

EPSG	PHPCoord

Name: RBEPP12-LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK – Reading to Penzance
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RBEPP12_IRF),`
	`  latitudeOfFalseOrigin: new Degree(50.85),`
	`  longitudeOfFalseOrigin: new Degree(-3.25),`
	`  latitudeOf1stStandardParallel: new Degree(50.3),`
	`  latitudeOf2ndStandardParallel: new Degree(51.45),`
	`  eastingAtFalseOrigin: new Metre(372382.8292),`
	`  northingAtFalseOrigin: new Metre(217764.7796)`
	`)`

RD/83 / 3-degree Gauss-Kruger zone 4

`Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4)`

to RD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RD/83 / 3-degree Gauss-Kruger zone 4 (E-N)

`Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_4_E_N)`

to RD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 012°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RD/83 / 3-degree Gauss-Kruger zone 5

`Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_5)`

to RD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RD/83 / 3-degree Gauss-Kruger zone 5 (E-N)

`Projected::fromSRID(Projected::EPSG_RD_83_3_DEGREE_GAUSS_KRUGER_ZONE_5_E_N)`

to RD/83 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 015°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RD_83),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / Italy zone (E-N)

```
Projected::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_E_N)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: Italy zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9985),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / Italy zone (N-E)

```
Projected::fromSRID(Projected::EPSG_RDN2008_ITALY_ZONE_N_E)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: Italy zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9985),`
	`  falseEasting: new Metre(7000000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / UTM zone 32N (N-E)

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_32N_N_E)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / UTM zone 33N (N-E)

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_33N_N_E)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / UTM zone 34N (N-E)

```
Projected::fromSRID(Projected::EPSG_RDN2008_UTM_ZONE_34N_N_E)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / Zone 12 (E-N)

```
Projected::fromSRID(Projected::EPSG_RDN2008_ZONE_12_E_N)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: Italy zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3000000),`
	`  falseNorthing: new Metre(0)`
	`)`

RDN2008 / Zone 12 (N-E)

```
Projected::fromSRID(Projected::EPSG_RDN2008_ZONE_12_N_E)
```

to RDN2008 (Geographic2D)

EPSG	PHPCoord

Name: Italy zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RDN2008),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(3000000),`
	`  falseNorthing: new Metre(0)`
	`)`

REDGEOMIN / UTM zone 12S

`Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_12S)`

to REDGEOMIN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REDGEOMIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

REDGEOMIN / UTM zone 18S

`Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_18S)`

to REDGEOMIN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REDGEOMIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

REDGEOMIN / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_REDGEOMIN_UTM_ZONE_19S)
```

to REDGEOMIN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REDGEOMIN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

REGCAN95 / LAEA Europe

```
Projected::fromSRID(Projected::EPSG_REGCAN95_LAEA_EUROPE)
```

to REGCAN95 (Geographic2D)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGCAN95),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

REGCAN95 / LCC Europe

```
Projected::fromSRID(Projected::EPSG_REGCAN95_LCC_EUROPE)
```

to REGCAN95 (Geographic2D)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REGCAN95),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

REGCAN95 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_27N)`

to REGCAN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪REGCAN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

REGCAN95 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_REGCAN95_UTM_ZONE_28N)`

to REGCAN95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGCAN95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

REGVEN / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_18N)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

REGVEN / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_19N)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

REGVEN / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_REGVEN_UTM_ZONE_20N)`

to REGVEN (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REGVEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGAF09 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_RGAF09_UTM_ZONE_20N)
```

to RGAF09 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGAF09),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGF93 v1 / CC42

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC42)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 43°N and Corsica
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(41.25),`
	`  latitudeOf2ndStandardParallel: new Degree(42.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(1200000)`
	`)`

RGF93 v1 / CC43

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC43)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 44°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(42.25),`
	`  latitudeOf2ndStandardParallel: new Degree(43.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(2200000)`
	`)`

RGF93 v1 / CC44

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC44)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 43°N to 45°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(43.25),`
	`  latitudeOf2ndStandardParallel: new Degree(44.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(3200000)`
	`)`

RGF93 v1 / CC45

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC45)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 44°N to 46°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(4200000)`
	`)`

RGF93 v1 / CC46

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC46)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 45°N to 47°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(46),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(45.25),`
	`  latitudeOf2ndStandardParallel: new Degree(46.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(5200000)`
	`)`

RGF93 v1 / CC47

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC47)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 46°N to 48°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(46.25),`
	`  latitudeOf2ndStandardParallel: new Degree(47.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(6200000)`
	`)`

RGF93 v1 / CC48

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC48)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 47°N to 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(47.25),`
	`  latitudeOf2ndStandardParallel: new Degree(48.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(7200000)`
	`)`

RGF93 v1 / CC49

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC49)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 48°N to 50°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(48.25),`
	`  latitudeOf2ndStandardParallel: new Degree(49.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(8200000)`
	`)`

RGF93 v1 / CC50

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_CC50)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49.25),`
	`  latitudeOf2ndStandardParallel: new Degree(50.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(9200000)`
	`)`

RGF93 v1 / Lambert-93

```
Projected::fromSRID(Projected::EPSG_RGF93_V1_LAMBERT_93)
```

to RGF93 v1 (Geographic2D)

EPSG	PHPCoord

Name: Lambert-93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V1),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(6600000)`
	`)`

RGF93 v2 / CC42

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC42)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 43°N and Corsica
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(41.25),`
	`  latitudeOf2ndStandardParallel: new Degree(42.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(1200000)`
	`)`

RGF93 v2 / CC43

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC43)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 44°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(42.25),`
	`  latitudeOf2ndStandardParallel: new Degree(43.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(2200000)`
	`)`

RGF93 v2 / CC44

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC44)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 43°N to 45°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(43.25),`
	`  latitudeOf2ndStandardParallel: new Degree(44.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(3200000)`
	`)`

RGF93 v2 / CC45

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC45)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 44°N to 46°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(4200000)`
	`)`

RGF93 v2 / CC46

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC46)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 45°N to 47°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(46),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(45.25),`
	`  latitudeOf2ndStandardParallel: new Degree(46.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(5200000)`
	`)`

RGF93 v2 / CC47

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC47)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 46°N to 48°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(46.25),`
	`  latitudeOf2ndStandardParallel: new Degree(47.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(6200000)`
	`)`

RGF93 v2 / CC48

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC48)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 47°N to 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(47.25),`
	`  latitudeOf2ndStandardParallel: new Degree(48.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(7200000)`
	`)`

RGF93 v2 / CC49

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC49)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 48°N to 50°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(48.25),`
	`  latitudeOf2ndStandardParallel: new Degree(49.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(8200000)`
	`)`

RGF93 v2 / CC50

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_CC50)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49.25),`
	`  latitudeOf2ndStandardParallel: new Degree(50.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(9200000)`
	`)`

RGF93 v2 / Lambert-93

```
Projected::fromSRID(Projected::EPSG_RGF93_V2_LAMBERT_93)
```

to RGF93 v2 (Geographic2D)

EPSG	PHPCoord

Name: Lambert-93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(6600000)`
	`)`

RGF93 v2b / CC42

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC42)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 43°N and Corsica
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(42),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(41.25),`
	`  latitudeOf2ndStandardParallel: new Degree(42.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(1200000)`
	`)`

RGF93 v2b / CC43

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC43)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland south of 44°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(43),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(42.25),`
	`  latitudeOf2ndStandardParallel: new Degree(43.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(2200000)`
	`)`

RGF93 v2b / CC44

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC44)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 43°N to 45°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(44),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(43.25),`
	`  latitudeOf2ndStandardParallel: new Degree(44.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(3200000)`
	`)`

RGF93 v2b / CC45

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC45)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 44°N to 46°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(45),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(44.25),`
	`  latitudeOf2ndStandardParallel: new Degree(45.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(4200000)`
	`)`

RGF93 v2b / CC46

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC46)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 45°N to 47°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(46),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(45.25),`
	`  latitudeOf2ndStandardParallel: new Degree(46.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(5200000)`
	`)`

RGF93 v2b / CC47

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC47)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 46°N to 48°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(47),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(46.25),`
	`  latitudeOf2ndStandardParallel: new Degree(47.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(6200000)`
	`)`

RGF93 v2b / CC48

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC48)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 47°N to 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(48),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(47.25),`
	`  latitudeOf2ndStandardParallel: new Degree(48.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(7200000)`
	`)`

RGF93 v2b / CC49

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC49)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland - 48°N to 50°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(49),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(48.25),`
	`  latitudeOf2ndStandardParallel: new Degree(49.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(8200000)`
	`)`

RGF93 v2b / CC50

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_CC50)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: France Conic Conformal zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland north of 49°N
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(50),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49.25),`
	`  latitudeOf2ndStandardParallel: new Degree(50.75),`
	`  eastingAtFalseOrigin: new Metre(1700000),`
	`  northingAtFalseOrigin: new Metre(9200000)`
	`)`

RGF93 v2b / Lambert-93

```
Projected::fromSRID(Projected::EPSG_RGF93_V2B_LAMBERT_93)
```

to RGF93 v2b (Geographic2D)

EPSG	PHPCoord

Name: Lambert-93
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGF93_V2B),`
	`  latitudeOfFalseOrigin: new Degree(46.5),`
	`  longitudeOfFalseOrigin: new Degree(3),`
	`  latitudeOf1stStandardParallel: new Degree(49),`
	`  latitudeOf2ndStandardParallel: new Degree(44),`
	`  eastingAtFalseOrigin: new Metre(700000),`
	`  northingAtFalseOrigin: new Metre(6600000)`
	`)`

RGFG95 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_21N)
```

to RGFG95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGFG95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGFG95 / UTM zone 22N

```
Projected::fromSRID(Projected::EPSG_RGFG95_UTM_ZONE_22N)
```

to RGFG95 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGFG95),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGM04 / UTM zone 38S

```
Projected::fromSRID(Projected::EPSG_RGM04_UTM_ZONE_38S)
```

to RGM04 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGM04),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGNC15 / Lambert New Caledonia 2015

`Projected::fromSRID(Projected::EPSG_RGNC15_LAMBERT_NEW_CALEDONIA_2015)`

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: Lambert New Caledonia 2015
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15),`
	`  latitudeOfFalseOrigin: new Degree(-21.5),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(-20.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.333333333333),`
	`  eastingAtFalseOrigin: new Metre(2400000),`
	`  northingAtFalseOrigin: new Metre(2300000)`
	`)`

RGNC15 / UTM zone 57S

`Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_57S)`

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGNC15 / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_58S)
```

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGNC15 / UTM zone 59S

```
Projected::fromSRID(Projected::EPSG_RGNC15_UTM_ZONE_59S)
```

to RGNC15 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC15),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGNC91-93 / Lambert New Caledonia

`Projected::fromSRID(Projected::EPSG_RGNC91_93_LAMBERT_NEW_CALEDONIA)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: Lambert New Caledonia
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  latitudeOfFalseOrigin: new Degree(-21.5),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(-20.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-22.333333333333),`
	`  eastingAtFalseOrigin: new Metre(400000),`
	`  northingAtFalseOrigin: new Metre(300000)`
	`)`

RGNC91-93 / UTM zone 57S

`Projected::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_57S)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGNC91-93 / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_58S)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGNC91-93 / UTM zone 59S

`Projected::fromSRID(Projected::EPSG_RGNC91_93_UTM_ZONE_59S)`

to RGNC91-93 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGNC91_93),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGPF / UTM zone 5S

`Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_5S)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGPF / UTM zone 6S

`Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_6S)`

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGPF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGPF / UTM zone 7S

```
Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_7S)
```

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGPF / UTM zone 8S

```
Projected::fromSRID(Projected::EPSG_RGPF_UTM_ZONE_8S)
```

to RGPF (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGPF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGR92 / UTM zone 39S

```
Projected::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_39S)
```

to RGR92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGR92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGR92 / UTM zone 40S

```
Projected::fromSRID(Projected::EPSG_RGR92_UTM_ZONE_40S)
```

to RGR92 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGR92),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 12

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_12)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 11°E to 13°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 14

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_14)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 13°E to 15°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 16

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_16)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 15°E to 17°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 18

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_18)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 17°E to 19°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 20

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_20)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 19°E to 21°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 22

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_22)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 21°E to 23°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 24

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_24)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 23°E to 25°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 26

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_26)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 25°E to 27°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 28

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_28)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - 27°E to 29°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / Congo TM zone 30

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_CONGO_TM_ZONE_30)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: Congo Transverse Mercator zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Congo DR (Zaire) - east of 29°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / UTM zone 33S

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_33S)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / UTM zone 34S

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_34S)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGRDC 2005 / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_RGRDC_2005_UTM_ZONE_35S)
```

to RGRDC 2005 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGRDC_2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGSH2020 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_29N)
```

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGSH2020 / UTM zone 30N

`Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_30N)`

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGSH2020 / UTM zone 31N

`Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_31N)`

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGSH2020 / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_RGSH2020_UTM_ZONE_32N)
```

to RGSH2020 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSH2020),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGSPM06 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_RGSPM06_UTM_ZONE_21N)
```

to RGSPM06 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGSPM06),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RGTAAF07 / UTM zone 37S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_37S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 38S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_38S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 39S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_39S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 40S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_40S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 41S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_41S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 42S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_42S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 43S

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_43S)
```

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 44S

```
Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_44S)
```

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 53S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_53S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGTAAF07 / UTM zone 54S

`Projected::fromSRID(Projected::EPSG_RGTAAF07_UTM_ZONE_54S)`

to RGTAAF07 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGTAAF07),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RGWF96 / UTM zone 1S

```
Projected::fromSRID(Projected::EPSG_RGWF96_UTM_ZONE_1S)
```

to RGWF96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RGWF96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RRAF 1991 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_RRAF_1991_UTM_ZONE_20N)
```

to RRAF 1991 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RRAF_1991),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RSAO13 / TM 12 SE

`Projected::fromSRID(Projected::EPSG_RSAO13_TM_12_SE)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: TM 12 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RSAO13 / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_32S)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RSAO13 / UTM zone 33S

`Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_33S)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RSAO13 / UTM zone 34S

`Projected::fromSRID(Projected::EPSG_RSAO13_UTM_ZONE_34S)`

to RSAO13 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSAO13),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

RSRGD2000 / BCLC2000

`Projected::fromSRID(Projected::EPSG_RSRGD2000_BCLC2000)`

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Borchgrevink Coast Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Borchgrevink Coast region
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000),`
	`  latitudeOfFalseOrigin: new Degree(-74.5),`
	`  longitudeOfFalseOrigin: new Degree(165),`
	`  latitudeOf1stStandardParallel: new Degree(-73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(5000000),`
	`  northingAtFalseOrigin: new Metre(3000000)`
	`)`

RSRGD2000 / DGLC2000

`Projected::fromSRID(Projected::EPSG_RSRGD2000_DGLC2000)`

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Darwin Glacier Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Darwin Glacier region
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(157),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

RSRGD2000 / MSLC2000

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_MSLC2000)
```

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: McMurdo Sound Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - McMurdo Sound region
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000),`
	`  latitudeOfFalseOrigin: new Degree(-78),`
	`  longitudeOfFalseOrigin: new Degree(163),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(7000000),`
	`  northingAtFalseOrigin: new Metre(5000000)`
	`)`

RSRGD2000 / PCLC2000

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_PCLC2000)
```

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Pennell Coast Lambert Conformal 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Pennell Coast region
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000),`
	`  latitudeOfFalseOrigin: new Degree(-71.5),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(-70.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-72.333333333333),`
	`  eastingAtFalseOrigin: new Metre(3000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

RSRGD2000 / RSPS2000

```
Projected::fromSRID(Projected::EPSG_RSRGD2000_RSPS2000)
```

to RSRGD2000 (Geographic2D)

EPSG	PHPCoord

Name: Ross Sea Polar Stereographic 2000
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Ross Ice Shelf Region
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RSRGD2000),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

RT38 0 gon

```
Projected::fromSRID(Projected::EPSG_RT38_0_GON)
```

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 0 gon
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 0 gon
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.058277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT38 2.5 gon O

```
Projected::fromSRID(Projected::EPSG_RT38_2_5_GON_O)
```

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT38 2.5 gon V

```
Projected::fromSRID(Projected::EPSG_RT38_2_5_GON_V)
```

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon W, Sweden - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.808277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT38 5 gon O

```
Projected::fromSRID(Projected::EPSG_RT38_5_GON_O)
```

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT38 5 gon V

```
Projected::fromSRID(Projected::EPSG_RT38_5_GON_V)
```

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT38 7.5 gon V

```
Projected::fromSRID(Projected::EPSG_RT38_7_5_GON_V)
```

to RT38 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 7.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 7.5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT38),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT90 0 gon

```
Projected::fromSRID(Projected::EPSG_RT90_0_GON)
```

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 0 gon
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 0 gon
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.058277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT90 2.5 gon O

```
Projected::fromSRID(Projected::EPSG_RT90_2_5_GON_O)
```

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT90 2.5 gon V

```
Projected::fromSRID(Projected::EPSG_RT90_2_5_GON_V)
```

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 2.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon W, Sweden - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.808277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT90 5 gon O

```
Projected::fromSRID(Projected::EPSG_RT90_5_GON_O)
```

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 5 gon O
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT90 5 gon V

```
Projected::fromSRID(Projected::EPSG_RT90_5_GON_V)
```

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.558277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

RT90 7.5 gon V

```
Projected::fromSRID(Projected::EPSG_RT90_7_5_GON_V)
```

to RT90 (Geographic2D)

EPSG	PHPCoord

Name: Sweden zone 7.5 gon V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 7.5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RT90),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.308277777778),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Rassadiran / Nakhl e Taqi

```
Projected::fromSRID(Projected::EPSG_RASSADIRAN_NAKHL_E_TAQI)
```

to Rassadiran (Geographic2D)

EPSG	PHPCoord

Name: Nakhl e Taqi Oblique Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iran - Taheri refinery
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_RASSADIRAN),`
	`  latitudeOfProjectionCentre: new Degree(27.518828805556),`
	`  longitudeOfProjectionCentre: new Degree(52.603539166667),`
	`  azimuthOfInitialLine: new Degree(0.57166119444444),`
	`  angleFromRectifiedToSkewGrid: new Degree(0.57166119444444),`
	`  scaleFactorOnInitialLine: new Unity(0.999895934),`
	`  eastingAtProjectionCentre: new Metre(658377.437),`
	`  northingAtProjectionCentre: new Metre(3044969.194)`
	`)`

Reunion 1947 / TM Reunion

```
Projected::fromSRID(Projected::EPSG_REUNION_1947_TM_REUNION)
```

to Reunion 1947 (Geographic2D)

EPSG	PHPCoord

Name: TM Reunion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Reunion - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REUNION_1947),`
	`  latitudeOfNaturalOrigin: new Degree(-21.116666666667),`
	`  longitudeOfNaturalOrigin: new Degree(55.533333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(160000),`
	`  falseNorthing: new Metre(50000)`
	`)`

Reykjavik 1900 / Lambert 1900

```
Projected::fromSRID(Projected::EPSG_REYKJAVIK_1900_LAMBERT_1900)
```

to Reykjavik 1900 (Geographic2D)

EPSG	PHPCoord

Name: Iceland Lambert 1900
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - mainland
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_REYKJAVIK_1900),`
	`  latitudeOfNaturalOrigin: new Degree(65),`
	`  longitudeOfNaturalOrigin: new Degree(-19.022125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK (Ferro) / Krovak

`Projected::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK)`

to S-JTSK (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Krovak
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_FERRO),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK (Ferro) / Krovak East North

`Projected::fromSRID(Projected::EPSG_S_JTSK_FERRO_KROVAK_EAST_NORTH)`

to S-JTSK (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Krovak East North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_FERRO),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK / Krovak

`Projected::fromSRID(Projected::EPSG_S_JTSK_KROVAK)`

to S-JTSK (Geographic2D)

EPSG	PHPCoord

Name: Krovak (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK / Krovak East North

`Projected::fromSRID(Projected::EPSG_S_JTSK_KROVAK_EAST_NORTH)`

to S-JTSK (Geographic2D)

EPSG	PHPCoord

Name: Krovak East North (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK [JTSK03] / Krovak

`Projected::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK)`

to S-JTSK [JTSK03] (Geographic2D)

EPSG	PHPCoord

Name: Krovak (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_JTSK03),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK [JTSK03] / Krovak East North

`Projected::fromSRID(Projected::EPSG_S_JTSK_JTSK03_KROVAK_EAST_NORTH)`

to S-JTSK [JTSK03] (Geographic2D)

EPSG	PHPCoord

Name: Krovak East North (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Czechoslovakia
	`$point->krovak(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_JTSK03),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139752778),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

S-JTSK/05 (Ferro) / Modified Krovak

`Projected::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK)`

to S-JTSK/05 (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Modified Krovak
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05_FERRO),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

S-JTSK/05 (Ferro) / Modified Krovak East North

`Projected::fromSRID(Projected::EPSG_S_JTSK_05_FERRO_MODIFIED_KROVAK_EAST_NORTH)`

to S-JTSK/05 (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: Modified Krovak East North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05_FERRO),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(42.5),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

S-JTSK/05 / Modified Krovak

`Projected::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK)`

to S-JTSK/05 (Geographic2D)

EPSG	PHPCoord

Name: Modified Krovak (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

S-JTSK/05 / Modified Krovak East North

`Projected::fromSRID(Projected::EPSG_S_JTSK_05_MODIFIED_KROVAK_EAST_NORTH)`

to S-JTSK/05 (Geographic2D)

EPSG	PHPCoord

Name: Modified Krovak East North (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->krovakModified(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S_JTSK_05),`
	`  latitudeOfProjectionCentre: new Degree(49.5),`
	`  longitudeOfOrigin: new Degree(24.833333333333),`
	`  coLatitudeOfConeAxis: new Degree(30.288139722222),`
	`  latitudeOfPseudoStandardParallel: new Degree(78.5),`
	`  scaleFactorOnPseudoStandardParallel: new Unity(0.9999),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(5000000),`
	`  ordinate1OfEvaluationPoint: new Metre(1089000),`
	`  ordinate2OfEvaluationPoint: new Metre(654000),`
	`  C1: new Coefficient(0.02946529277),`
	`  C2: new Coefficient(0.02515965696),`
	`  C3: new Coefficient(1.193845912E-7),`
	`  C4: new Coefficient(-4.668270147E-7),`
	`  C5: new Coefficient(9.233980362E-12),`
	`  C6: new Coefficient(1.523735715E-12),`
	`  C7: new Coefficient(1.696780024E-18),`
	`  C8: new Coefficient(4.408314235E-18),`
	`  C9: new Coefficient(-8.331083518E-24),`
	`  C10: new Coefficient(-3.689471323E-24)`
	`)`

S34J reconstruction east-orientated

```
Projected::fromSRID(Projected::EPSG_S34J_RECONSTRUCTION_EAST_ORIENTATED)
```

to S34J-IRF (Geographic2D)

EPSG	PHPCoord

Name: S34-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S34J_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.37),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-210327),`
	`  falseNorthing: new Metre(-6034310)`
	`)`

S34S reconstruction east-orientated

```
Projected::fromSRID(Projected::EPSG_S34S_RECONSTRUCTION_EAST_ORIENTATED)
```

to S34S-IRF (Geographic2D)

EPSG	PHPCoord

Name: S34-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Jutland, Funen, Zealand and Lolland
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S34S_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(10.37),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-210327),`
	`  falseNorthing: new Metre(-6034310)`
	`)`

S45B reconstruction east-orientated

```
Projected::fromSRID(Projected::EPSG_S45B_RECONSTRUCTION_EAST_ORIENTATED)
```

to S45B-IRF (Geographic2D)

EPSG	PHPCoord

Name: S45B-reconstruction
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore Bornholm
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_S45B_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(55.11171),`
	`  longitudeOfNaturalOrigin: new Degree(14.88927),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(-50000),`
	`  falseNorthing: new Metre(50000)`
	`)`

SAD69 / Brazil Polyconic

```
Projected::fromSRID(Projected::EPSG_SAD69_BRAZIL_POLYCONIC)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: Brazil Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->americanPolyconic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 17N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_17N)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SAD69 / UTM zone 17S

`Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_17S)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 18N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18N)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SAD69 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_18S)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19N)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SAD69 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_19S)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20N)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SAD69 / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_20S)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21N)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SAD69 / UTM zone 21S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_21S)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 22N

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22N)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SAD69 / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_22S)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 23S

`Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_23S)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 24S

`Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_24S)`

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69 / UTM zone 25S

```
Projected::fromSRID(Projected::EPSG_SAD69_UTM_ZONE_25S)
```

to SAD69 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / Brazil Polyconic

```
Projected::fromSRID(Projected::EPSG_SAD69_96_BRAZIL_POLYCONIC)
```

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: Brazil Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->americanPolyconic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_18S)
```

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_19S)`

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 20S

`Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_20S)`

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_21S)`

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_22S)
```

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 23S

```
Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_23S)
```

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 24S

`Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_24S)`

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SAD69(96) / UTM zone 25S

`Projected::fromSRID(Projected::EPSG_SAD69_96_UTM_ZONE_25S)`

to SAD69(96) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAD69_96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SCM22 Grid

```
Projected::fromSRID(Projected::EPSG_SCM22_GRID)
```

to SCM22-IRF (Geographic2D)

EPSG	PHPCoord

Name: SCM22-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Motherwell to Inverness
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCM22_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(56.6),`
	`  longitudeOfNaturalOrigin: new Degree(-3.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(108600.972),`
	`  falseNorthing: new Metre(239087.349)`
	`)`

SHMG2015

```
Projected::fromSRID(Projected::EPSG_SHMG2015)
```

to SHGD2015 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SHGD2015),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17N)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 1995 / UTM zone 17S

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_17S)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_18N)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 1995 / UTM zone 18S

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_18S)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_19N)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 1995 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_19S)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_20N)
```

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 1995 / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_20S)
```

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_21N)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 1995 / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_21S)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 22N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_22N)
```

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 1995 / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_22S)
```

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 23S

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_23S)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 24S

`Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_24S)`

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 1995 / UTM zone 25S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_1995_UTM_ZONE_25S)
```

to SIRGAS 1995 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_1995),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / Brazil Mercator

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_MERCATOR)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: Petrobras Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil - equatorial margin
	`$point->mercatorVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOf1stStandardParallel: new Degree(-2),`
	`  longitudeOfNaturalOrigin: new Degree(-43),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / Brazil Polyconic

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_BRAZIL_POLYCONIC)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: Brazil Polyconic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Brazil
	`$point->americanPolyconic(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  falseEasting: new Metre(5000000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_11N)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_12N)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_13N)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 14N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_14N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_15N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_16N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 17N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_17N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 17S

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_17S)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18N)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 18S

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_18S)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19N)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_19S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_20N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_20S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_21N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 21S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_21S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 22N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_22S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 23N

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23N)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 23S

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_23S)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 24N

`Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_24N)`

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SIRGAS 2000 / UTM zone 24S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_24S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 25S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_25S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS 2000 / UTM zone 26S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_2000_UTM_ZONE_26S)
```

to SIRGAS 2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2002 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2002_UTM_ZONE_18S)
```

to SIRGAS-Chile 2002 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2002 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2002_UTM_ZONE_19S)
```

to SIRGAS-Chile 2002 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2002),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2010 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_18S)
```

to SIRGAS-Chile 2010 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2010 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2010_UTM_ZONE_19S)
```

to SIRGAS-Chile 2010 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2010),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2013 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_18S)
```

to SIRGAS-Chile 2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2013 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2013_UTM_ZONE_19S)
```

to SIRGAS-Chile 2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2016 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2016_UTM_ZONE_18S)
```

to SIRGAS-Chile 2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2016 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2016_UTM_ZONE_19S)
```

to SIRGAS-Chile 2016 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2016),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2021 / UTM zone 12S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_12S)
```

to SIRGAS-Chile 2021 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2021 / UTM zone 18S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_18S)
```

to SIRGAS-Chile 2021 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-Chile 2021 / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_SIRGAS_CHILE_2021_UTM_ZONE_19S)
```

to SIRGAS-Chile 2021 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_CHILE_2021),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-ROU98 / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_SIRGAS_ROU98_UTM_ZONE_21S)`

to SIRGAS-ROU98 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_ROU98),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SIRGAS-ROU98 / UTM zone 22S

`Projected::fromSRID(Projected::EPSG_SIRGAS_ROU98_UTM_ZONE_22S)`

to SIRGAS-ROU98 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIRGAS_ROU98),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SLD99 / Sri Lanka Grid 1999

```
Projected::fromSRID(Projected::EPSG_SLD99_SRI_LANKA_GRID_1999)
```

to SLD99 (Geographic2D)

EPSG	PHPCoord

Name: Sri Lanka Grid 1999
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sri Lanka - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SLD99),`
	`  latitudeOfNaturalOrigin: new Degree(7.0004715277778),`
	`  longitudeOfNaturalOrigin: new Degree(80.771713083333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999238418),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

SMITB20 Grid

```
Projected::fromSRID(Projected::EPSG_SMITB20_GRID)
```

to SMITB20-IRF (Geographic2D)

EPSG	PHPCoord

Name: SMITB20-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK – Okehampton to Penstone
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SMITB20_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(50.75),`
	`  longitudeOfNaturalOrigin: new Degree(-3.85),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(110693.666),`
	`  falseNorthing: new Metre(102089.2943)`
	`)`

SRB_ETRS89 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_SRB_ETRS89_UTM_ZONE_34N)
```

to SRB_ETRS89 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRB_ETRS89),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 46N

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_46N)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_47N)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 47S

`Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_47S)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_48N)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 48S

`Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_48S)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 49N

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_49N)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 49S

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_49S)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 50N

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50N)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 50S

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_50S)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 51N

`Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51N)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 51S

`Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_51S)`

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 52N

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52N)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SRGI2013 / UTM zone 52S

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_52S)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 53S

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_53S)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SRGI2013 / UTM zone 54S

```
Projected::fromSRID(Projected::EPSG_SRGI2013_UTM_ZONE_54S)
```

to SRGI2013 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SRGI2013),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ST71 Belep / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_ST71_BELEP_UTM_ZONE_58S)
```

to ST71 Belep (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST71_BELEP),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ST74

```
Projected::fromSRID(Projected::EPSG_ST74)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: ST74
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - Stockholm
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.05779),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.99999425),`
	`  falseEasting: new Metre(100178.1808),`
	`  falseNorthing: new Metre(-6500614.7836)`
	`)`

ST84 Ile des Pins / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_ST84_ILE_DES_PINS_UTM_ZONE_58S)`

to ST84 Ile des Pins (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST84_ILE_DES_PINS),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

ST87 Ouvea / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_ST87_OUVEA_UTM_ZONE_58S)`

to ST87 Ouvea (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST87_OUVEA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

SVY21 / Singapore TM

```
Projected::fromSRID(Projected::EPSG_SVY21_SINGAPORE_TM)
```

to SVY21 (Geographic2D)

EPSG	PHPCoord

Name: Singapore Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Singapore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SVY21),`
	`  latitudeOfNaturalOrigin: new Degree(1.3666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(103.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28001.642),`
	`  falseNorthing: new Metre(38744.572)`
	`)`

SWEREF99 / RT90 0 gon emulation

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_0_GON_EMULATION)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 zone 0 gon emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 0 gon
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.0563),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000054),`
	`  falseEasting: new Metre(1500083.521),`
	`  falseNorthing: new Metre(-668.844)`
	`)`

SWEREF99 / RT90 2.5 gon O emulation

`Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_O_EMULATION)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 zone 2.5 gon O emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.306316666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000052),`
	`  falseEasting: new Metre(1500102.765),`
	`  falseNorthing: new Metre(-670.706)`
	`)`

SWEREF99 / RT90 2.5 gon V emulation

`Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_2_5_GON_V_EMULATION)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 zone 2.5 gon V emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 2.5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.806284529444),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.00000561024),`
	`  falseEasting: new Metre(1500064.274),`
	`  falseNorthing: new Metre(-667.711)`
	`)`

SWEREF99 / RT90 5 gon O emulation

`Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_O_EMULATION)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 zone 5 gon O emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(22.556333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000049),`
	`  falseEasting: new Metre(1500121.846),`
	`  falseNorthing: new Metre(-672.557)`
	`)`

SWEREF99 / RT90 5 gon V emulation

`Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_5_GON_V_EMULATION)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 zone 5 gon V emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.556266666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.0000058),`
	`  falseEasting: new Metre(1500044.695),`
	`  falseNorthing: new Metre(-667.13)`
	`)`

SWEREF99 / RT90 7.5 gon V emulation

```
Projected::fromSRID(Projected::EPSG_SWEREF99_RT90_7_5_GON_V_EMULATION)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: RT90 zone 7.5 gon V emulation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 7.5 gon W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.30625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000006),`
	`  falseEasting: new Metre(1500025.141),`
	`  falseNorthing: new Metre(-667.282)`
	`)`

SWEREF99 12 00

```
Projected::fromSRID(Projected::EPSG_SWEREF99_12_00)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 12 00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 12 00
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 13 30

```
Projected::fromSRID(Projected::EPSG_SWEREF99_13_30)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 13 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 13 30
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(13.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 14 15

```
Projected::fromSRID(Projected::EPSG_SWEREF99_14_15)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 14 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 14 15
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(14.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 15 00

```
Projected::fromSRID(Projected::EPSG_SWEREF99_15_00)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 15 00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 15 00
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 15 45

```
Projected::fromSRID(Projected::EPSG_SWEREF99_15_45)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 15 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 15 45
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 16 30

```
Projected::fromSRID(Projected::EPSG_SWEREF99_16_30)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 16 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 16 30
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(16.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 17 15

```
Projected::fromSRID(Projected::EPSG_SWEREF99_17_15)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 17 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 17 15
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(17.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 18 00

```
Projected::fromSRID(Projected::EPSG_SWEREF99_18_00)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 18 00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 18 00
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 18 45

```
Projected::fromSRID(Projected::EPSG_SWEREF99_18_45)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 18 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 18 45
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(18.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 20 15

```
Projected::fromSRID(Projected::EPSG_SWEREF99_20_15)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 20 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 20 15
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(20.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 21 45

```
Projected::fromSRID(Projected::EPSG_SWEREF99_21_45)
```

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 21 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 21 45
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 23 15

`Projected::fromSRID(Projected::EPSG_SWEREF99_23_15)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 23 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - 23 15
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(150000),`
	`  falseNorthing: new Metre(0)`
	`)`

SWEREF99 TM

`Projected::fromSRID(Projected::EPSG_SWEREF99_TM)`

to SWEREF99 (Geographic2D)

EPSG	PHPCoord

Name: SWEREF99 TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SWEREF99),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

SYC20 Grid

```
Projected::fromSRID(Projected::EPSG_SYC20_GRID)
```

to SYC20-IRF (Geographic2D)

EPSG	PHPCoord

Name: SYC20-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shrewsbury to Crewe
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SYC20_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.9),`
	`  longitudeOfNaturalOrigin: new Degree(-2.6),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(110094.4312),`
	`  falseNorthing: new Metre(120623.8396)`
	`)`

Saint Pierre et Miquelon 1950 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_SAINT_PIERRE_ET_MIQUELON_1950_UTM_ZONE_21N)
```

to Saint Pierre et Miquelon 1950 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAINT_PIERRE_ET_MIQUELON_1950),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Sapper Hill 1943 / UTM zone 20S

`Projected::fromSRID(Projected::EPSG_SAPPER_HILL_1943_UTM_ZONE_20S)`

to Sapper Hill 1943 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAPPER_HILL_1943),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Sapper Hill 1943 / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_SAPPER_HILL_1943_UTM_ZONE_21S)`

to Sapper Hill 1943 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SAPPER_HILL_1943),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Schwarzeck / Lo22/11

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_11)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - west of 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(11),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/13

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_13)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 12°E to 14°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(13),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/15

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_15)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 14°E to 16°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/17

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_17)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 16°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(17),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/19

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_19)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 18°E to 20°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(19),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/21

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_21)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 20°E to 22°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/23

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_23)
```

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - 22°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(23),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / Lo22/25

```
Projected::fromSRID(Projected::EPSG_SCHWARZECK_LO22_25)
```

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: South West African Survey Grid zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Namibia - east of 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(-22),`
	`  longitudeOfNaturalOrigin: new Degree(25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GermanLegalMetre(0),`
	`  falseNorthing: new GermanLegalMetre(0)`
	`)`

Schwarzeck / UTM zone 33S

`Projected::fromSRID(Projected::EPSG_SCHWARZECK_UTM_ZONE_33S)`

to Schwarzeck (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCHWARZECK),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Scoresbysund 1952 / Greenland zone 5 east

`Projected::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_5_EAST)`

to Scoresbysund 1952 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 5 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - east - 69°N to 72°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCORESBYSUND_1952),`
	`  latitudeOfNaturalOrigin: new Degree(70.5),`
	`  longitudeOfNaturalOrigin: new Degree(-24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Scoresbysund 1952 / Greenland zone 6 east

`Projected::fromSRID(Projected::EPSG_SCORESBYSUND_1952_GREENLAND_ZONE_6_EAST)`

to Scoresbysund 1952 (Geographic2D)

EPSG	PHPCoord

Name: Greenland zone 6 east
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Greenland - east - 66°N to 69°N
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SCORESBYSUND_1952),`
	`  latitudeOfNaturalOrigin: new Degree(67.5),`
	`  longitudeOfNaturalOrigin: new Degree(-32),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Segara (Jakarta) / NEIEZ

`Projected::fromSRID(Projected::EPSG_SEGARA_JAKARTA_NEIEZ)`

to Segara (Jakarta) (Geographic2D)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone (Jkt)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA_JAKARTA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3.1922805555556),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Segara / NEIEZ

`Projected::fromSRID(Projected::EPSG_SEGARA_NEIEZ)`

to Segara (Geographic2D)

EPSG	PHPCoord

Name: Netherlands East Indies Equatorial Zone
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - onshore
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(110),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.997),`
	`  falseEasting: new Metre(3900000),`
	`  falseNorthing: new Metre(900000)`
	`)`

Segara / UTM zone 50S

`Projected::fromSRID(Projected::EPSG_SEGARA_UTM_ZONE_50S)`

to Segara (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SEGARA),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Selvagem Grande / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_SELVAGEM_GRANDE_UTM_ZONE_28N)
```

to Selvagem Grande (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SELVAGEM_GRANDE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

ShAb07 Grid

```
Projected::fromSRID(Projected::EPSG_SHAB07_GRID)
```

to ShAb07-IRF (Geographic2D)

EPSG	PHPCoord

Name: ShAb07-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shrewsbury to Aberystwyth
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SHAB07_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(52.6),`
	`  longitudeOfNaturalOrigin: new Degree(-3.35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(56023.5377),`
	`  falseNorthing: new Metre(24567.6764)`
	`)`

Sibun Gorge 1922 / Colony Grid

```
Projected::fromSRID(Projected::EPSG_SIBUN_GORGE_1922_COLONY_GRID)
```

to Sibun Gorge 1922 (Geographic2D)

EPSG	PHPCoord

Name: Belize Colony Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belize - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIBUN_GORGE_1922),`
	`  latitudeOfNaturalOrigin: new Degree(17.061241944444),`
	`  longitudeOfNaturalOrigin: new Degree(-88.6318575),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new ClarkeFoot(217259.26),`
	`  falseNorthing: new ClarkeFoot(445474.83)`
	`)`

Sierra Leone 1924 / New Colony Grid

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_COLONY_GRID)
```

to Sierra Leone 1924 (Geographic2D)

EPSG	PHPCoord

Name: Sierra Leone New Colony Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sierra Leone - Freetown Peninsula
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1924),`
	`  latitudeOfNaturalOrigin: new Degree(6.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GoldCoastFoot(500000),`
	`  falseNorthing: new GoldCoastFoot(0)`
	`)`

Sierra Leone 1924 / New War Office Grid

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1924_NEW_WAR_OFFICE_GRID)
```

to Sierra Leone 1924 (Geographic2D)

EPSG	PHPCoord

Name: New War Office Sierra Leone Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sierra Leone - Freetown Peninsula
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1924),`
	`  latitudeOfNaturalOrigin: new Degree(6.6666666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-12),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new GoldCoastFoot(800000),`
	`  falseNorthing: new GoldCoastFoot(600000)`
	`)`

Sierra Leone 1968 / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_28N)
```

to Sierra Leone 1968 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1968),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Sierra Leone 1968 / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_SIERRA_LEONE_1968_UTM_ZONE_29N)
```

to Sierra Leone 1968 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIERRA_LEONE_1968),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Sister Islands National Grid 1961

```
Projected::fromSRID(Projected::EPSG_SISTER_ISLANDS_NATIONAL_GRID_1961)
```

to SIGD61 (Geographic2D)

EPSG	PHPCoord

Name: Cayman Islands TM (ft)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cayman Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SIGD61),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Foot(1640419.9475),`
	`  falseNorthing: new Foot(0)`
	`)`

Slovenia 1996 / Slovene National Grid

```
Projected::fromSRID(Projected::EPSG_SLOVENIA_1996_SLOVENE_NATIONAL_GRID)
```

to Slovenia 1996 (Geographic2D)

EPSG	PHPCoord

Name: Slovene National Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SLOVENIA_1996),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(-5000000)`
	`)`

Slovenia 1996 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_SLOVENIA_1996_UTM_ZONE_33N)
```

to Slovenia 1996 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SLOVENIA_1996),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

South East Island 1943 / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_SOUTH_EAST_ISLAND_1943_UTM_ZONE_40N)`

to South East Island 1943 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_EAST_ISLAND_1943),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

South Yemen / Gauss-Kruger zone 8

`Projected::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_8)`

to South Yemen (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_YEMEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(8500000),`
	`  falseNorthing: new Metre(0)`
	`)`

South Yemen / Gauss-Kruger zone 9

`Projected::fromSRID(Projected::EPSG_SOUTH_YEMEN_GAUSS_KRUGER_ZONE_9)`

to South Yemen (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_SOUTH_YEMEN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

St. Helena Tritan / SHLG(Tritan)

`Projected::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_SHLG_TRITAN)`

to St. Helena Tritan (Geographic2D)

EPSG	PHPCoord

Name: St. Helena Local Grid (Tritan)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Helena - St Helena Island
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN),`
	`  latitudeOfNaturalOrigin: new Degree(-15.966666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-5.7166666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(299483.737),`
	`  falseNorthing: new Metre(2000527.879)`
	`)`

St. Helena Tritan / UTM zone 30S

`Projected::fromSRID(Projected::EPSG_ST_HELENA_TRITAN_UTM_ZONE_30S)`

to St. Helena Tritan (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_HELENA_TRITAN),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

St. Kitts 1955 / British West Indies Grid

`Projected::fromSRID(Projected::EPSG_ST_KITTS_1955_BRITISH_WEST_INDIES_GRID)`

to St. Kitts 1955 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_KITTS_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

St. Lucia 1955 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_ST_LUCIA_1955_BRITISH_WEST_INDIES_GRID)
```

to St. Lucia 1955 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_LUCIA_1955),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

St. Stephen Grid (Ferro)

```
Projected::fromSRID(Projected::EPSG_ST_STEPHEN_GRID_FERRO)
```

to St. Stephen (Ferro) (Geographic2D)

EPSG	PHPCoord

Name: St. Stephen Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Lower Austria and Moravia
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_STEPHEN_FERRO),`
	`  latitudeOfNaturalOrigin: new Degree(48.208761111111),`
	`  longitudeOfNaturalOrigin: new Degree(34.040922222222),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

St. Vincent 45 / British West Indies Grid

```
Projected::fromSRID(Projected::EPSG_ST_VINCENT_45_BRITISH_WEST_INDIES_GRID)
```

to St. Vincent 1945 (Geographic2D)

EPSG	PHPCoord

Name: British West Indies Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Caribbean - Windward and Leeward Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ST_VINCENT_1945),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-62),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(0)`
	`)`

TC(1948) / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_TC_1948_UTM_ZONE_39N)
```

to TC(1948) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TC_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TC(1948) / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_TC_1948_UTM_ZONE_40N)
```

to TC(1948) (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TC_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TGD2005 / Tonga Map Grid

```
Projected::fromSRID(Projected::EPSG_TGD2005_TONGA_MAP_GRID)
```

to TGD2005 (Geographic2D)

EPSG	PHPCoord

Name: Tonga Map Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Tonga
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TGD2005),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(5000000)`
	`)`

TM65 / Irish Grid

```
Projected::fromSRID(Projected::EPSG_TM65_IRISH_GRID)
```

to TM65 (Geographic2D)

EPSG	PHPCoord

Name: Irish Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TM65),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(250000)`
	`)`

TM75 / Irish Grid

```
Projected::fromSRID(Projected::EPSG_TM75_IRISH_GRID)
```

to TM75 (Geographic2D)

EPSG	PHPCoord

Name: Irish Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TM75),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-8),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000035),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(250000)`
	`)`

TPEN11 Grid

```
Projected::fromSRID(Projected::EPSG_TPEN11_GRID)
```

to TPEN11-IRF (Geographic2D)

EPSG	PHPCoord

Name: TPEN11-TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Liverpool to Leeds
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TPEN11_IRF),`
	`  latitudeOfNaturalOrigin: new Degree(53.5),`
	`  longitudeOfNaturalOrigin: new Degree(-2.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(203252.175),`
	`  falseNorthing: new Metre(407512.765)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 10

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_10)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(10500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 11

`Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_11)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(11500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 12

`Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_12)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(12500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_13)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_14)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 15

`Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_15)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 045°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / 3-degree Gauss-Kruger zone 9

`Projected::fromSRID(Projected::EPSG_TUREF_3_DEGREE_GAUSS_KRUGER_ZONE_9)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(9500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / LAEA Europe

`Projected::fromSRID(Projected::EPSG_TUREF_LAEA_EUROPE)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: Europe Equal Area 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(52),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(4321000),`
	`  falseNorthing: new Metre(3210000)`
	`)`

TUREF / LCC Europe

`Projected::fromSRID(Projected::EPSG_TUREF_LCC_EUROPE)`

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: Europe Conformal 2001
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - LCC & LAEA
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfFalseOrigin: new Degree(52),`
	`  longitudeOfFalseOrigin: new Degree(10),`
	`  latitudeOf1stStandardParallel: new Degree(35),`
	`  latitudeOf2ndStandardParallel: new Degree(65),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(2800000)`
	`)`

TUREF / TM27

```
Projected::fromSRID(Projected::EPSG_TUREF_TM27)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / TM30

```
Projected::fromSRID(Projected::EPSG_TUREF_TM30)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 30E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 030°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / TM33

```
Projected::fromSRID(Projected::EPSG_TUREF_TM33)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / TM36

```
Projected::fromSRID(Projected::EPSG_TUREF_TM36)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 36E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 036°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / TM39

```
Projected::fromSRID(Projected::EPSG_TUREF_TM39)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / TM42

```
Projected::fromSRID(Projected::EPSG_TUREF_TM42)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 42E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 042°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(42),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TUREF / TM45

```
Projected::fromSRID(Projected::EPSG_TUREF_TM45)
```

to TUREF (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 45E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TUREF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

TWD67 / TM2 zone 119

```
Projected::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_119)
```

to TWD67 (Geographic2D)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 119
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 118°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TWD67),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

TWD67 / TM2 zone 121

```
Projected::fromSRID(Projected::EPSG_TWD67_TM2_ZONE_121)
```

to TWD67 (Geographic2D)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 121
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 120°E to 122°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TWD67),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

TWD97 / TM2 zone 119

```
Projected::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_119)
```

to TWD97 (Geographic2D)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 119
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 118°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TWD97),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(119),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

TWD97 / TM2 zone 121

```
Projected::fromSRID(Projected::EPSG_TWD97_TM2_ZONE_121)
```

to TWD97 (Geographic2D)

EPSG	PHPCoord

Name: Taiwan 2-degree TM zone 121
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Taiwan - 120°E to 122°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TWD97),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(121),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(250000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tahaa 54 / UTM zone 5S

```
Projected::fromSRID(Projected::EPSG_TAHAA_54_UTM_ZONE_5S)
```

to Tahaa 54 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAHAA_54),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tahiti 52 / UTM zone 6S

`Projected::fromSRID(Projected::EPSG_TAHITI_52_UTM_ZONE_6S)`

to Tahiti 52 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_52),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tahiti 79 / UTM zone 6S

`Projected::fromSRID(Projected::EPSG_TAHITI_79_UTM_ZONE_6S)`

to Tahiti 79 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAHITI_79),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tananarive (Paris) / Laborde Grid

`Projected::fromSRID(Projected::EPSG_TANANARIVE_PARIS_LABORDE_GRID)`

to Tananarive (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Laborde Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->obliqueMercatorLaborde(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE_PARIS),`
	`  latitudeOfProjectionCentre: new Grad(-21),`
	`  longitudeOfProjectionCentre: new Grad(49),`
	`  azimuthOfInitialLine: new Grad(21),`
	`  scaleFactorOnInitialLine: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

Tananarive (Paris) / Laborde Grid approximation

`Projected::fromSRID(Projected::EPSG_TANANARIVE_PARIS_LABORDE_GRID_APPROXIMATION)`

to Tananarive (Paris) (Geographic2D)

EPSG	PHPCoord

Name: Laborde Grid approximation
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE_PARIS),`
	`  latitudeOfProjectionCentre: new Grad(-21),`
	`  longitudeOfProjectionCentre: new Grad(49),`
	`  azimuthOfInitialLine: new Grad(21),`
	`  angleFromRectifiedToSkewGrid: new Grad(21),`
	`  scaleFactorOnInitialLine: new Unity(0.9995),`
	`  eastingAtProjectionCentre: new Metre(400000),`
	`  northingAtProjectionCentre: new Metre(800000)`
	`)`

Tananarive / Laborde Grid

`Projected::fromSRID(Projected::EPSG_TANANARIVE_LABORDE_GRID)`

to Tananarive (Geographic2D)

EPSG	PHPCoord

Name: Laborde Grid (Greenwich)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Madagascar - onshore and nearshore
	`$point->obliqueMercatorLaborde(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE),`
	`  latitudeOfProjectionCentre: new Degree(-18.9),`
	`  longitudeOfProjectionCentre: new Degree(46.437229166667),`
	`  azimuthOfInitialLine: new Degree(18.9),`
	`  scaleFactorOnInitialLine: new Unity(0.9995),`
	`  falseEasting: new Metre(400000),`
	`  falseNorthing: new Metre(800000)`
	`)`

Tananarive / UTM zone 38S

`Projected::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_38S)`

to Tananarive (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tananarive / UTM zone 39S

`Projected::fromSRID(Projected::EPSG_TANANARIVE_UTM_ZONE_39S)`

to Tananarive (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TANANARIVE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tapi Aike / Argentina 1

`Projected::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_1)`

to Tapi Aike (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - west of 70.5°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAPI_AIKE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-72),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tapi Aike / Argentina 2

```
Projected::fromSRID(Projected::EPSG_TAPI_AIKE_ARGENTINA_2)
```

to Tapi Aike (Geographic2D)

EPSG	PHPCoord

Name: Argentina zone 2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - 70.5°W to 67.5°W onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TAPI_AIKE),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(2500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tete / UTM zone 36S

```
Projected::fromSRID(Projected::EPSG_TETE_UTM_ZONE_36S)
```

to Tete (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TETE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Tete / UTM zone 37S

```
Projected::fromSRID(Projected::EPSG_TETE_UTM_ZONE_37S)
```

to Tete (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TETE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

Timbalai 1948 / RSO Borneo (ch)

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_CH)
```

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Borneo Grid (chain)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  eastingAtProjectionCentre: new␣ BritishChain1922Sears(29352.4763),`
	`  northingAtProjectionCentre: new␣ BritishChain1922Sears(22014.3572)`
	`)`

Timbalai 1948 / RSO Borneo (ftSe)

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_FTSE)
```

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Borneo Grid (foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - East Malaysia
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  eastingAtProjectionCentre: new BritishFoot1922Sears(1937263.44),`
	`  northingAtProjectionCentre: new BritishFoot1922Sears(1452947.58)`
	`)`

Timbalai 1948 / RSO Borneo (m)

```
Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_BORNEO_M)
```

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Borneo Grid (metre)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Brunei and East Malaysia
	`$point->obliqueMercatorHotineVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  eastingAtProjectionCentre: new Metre(590476.87),`
	`  northingAtProjectionCentre: new Metre(442857.65)`
	`)`

Timbalai 1948 / RSO Sarawak LSD (m)

`Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_RSO_SARAWAK_LSD_M)`

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: Rectified Skew Orthomorphic Sarawak LSD (metre)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Malaysia - East Malaysia - Sarawak onshore
	`$point->obliqueMercatorHotineVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948),`
	`  latitudeOfProjectionCentre: new Degree(4),`
	`  longitudeOfProjectionCentre: new Degree(115),`
	`  azimuthOfInitialLine: new Degree(53.315820472222),`
	`  angleFromRectifiedToSkewGrid: new Degree(53.130102361111),`
	`  scaleFactorOnInitialLine: new Unity(0.99984),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(5000000)`
	`)`

Timbalai 1948 / UTM zone 49N

`Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_UTM_ZONE_49N)`

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Timbalai 1948 / UTM zone 50N

`Projected::fromSRID(Projected::EPSG_TIMBALAI_1948_UTM_ZONE_50N)`

to Timbalai 1948 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TIMBALAI_1948),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS I

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_I)
```

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone I
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone I
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(129.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS II

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_II)
```

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone II
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone II
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS III

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_III)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone III
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone III
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(132.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS IV

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IV)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(33),`
	`  longitudeOfNaturalOrigin: new Degree(133.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS IX

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_IX)
```

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone IX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone IX
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(139.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS V

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_V)
```

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone V
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone V
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(134.33333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS VI

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VI)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS VII

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VII)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(137.16666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS VIII

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_VIII)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone VIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone VIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(36),`
	`  longitudeOfNaturalOrigin: new Degree(138.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS X

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_X)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone X
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone X
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(40),`
	`  longitudeOfNaturalOrigin: new Degree(140.83333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XI

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XI)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(140.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XII

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XII)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(142.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XIII

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIII)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(44),`
	`  longitudeOfNaturalOrigin: new Degree(144.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XIV

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIV)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XIV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(142),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XIX

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XIX)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XIX
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - Minamitori-shima (Marcus Island) - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(154),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XV

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XV)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XV
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XV
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(127.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XVI

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVI)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVI
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVI
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(124),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XVII

`Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVII)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(26),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / Japan Plane Rectangular CS XVIII

```
Projected::fromSRID(Projected::EPSG_TOKYO_JAPAN_PLANE_RECTANGULAR_CS_XVIII)
```

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: Japan Plane Rectangular CS zone XVIII
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - zone XVIII
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(20),`
	`  longitudeOfNaturalOrigin: new Degree(136),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / UTM zone 51N

```
Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_51N)
```

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / UTM zone 52N

`Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_52N)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / UTM zone 53N

`Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_53N)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / UTM zone 54N

`Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_54N)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo / UTM zone 55N

`Projected::fromSRID(Projected::EPSG_TOKYO_UTM_ZONE_55N)`

to Tokyo (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Tokyo 1892 / Korea Central Belt

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_CENTRAL_BELT)
```

to Tokyo 1892 (Geographic2D)

EPSG	PHPCoord

Name: Korea Central Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 126°E to 128°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(127),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Tokyo 1892 / Korea East Belt

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_BELT)
```

to Tokyo 1892 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - 128°E to 130°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Tokyo 1892 / Korea East Sea Belt

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_EAST_SEA_BELT)
```

to Tokyo 1892 (Geographic2D)

EPSG	PHPCoord

Name: Korea East Sea Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - east of 130°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(131),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Tokyo 1892 / Korea West Belt

```
Projected::fromSRID(Projected::EPSG_TOKYO_1892_KOREA_WEST_BELT)
```

to Tokyo 1892 (Geographic2D)

EPSG	PHPCoord

Name: Korea West Belt
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Korea N and S - west of 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TOKYO_1892),`
	`  latitudeOfNaturalOrigin: new Degree(38),`
	`  longitudeOfNaturalOrigin: new Degree(125),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(200000),`
	`  falseNorthing: new Metre(500000)`
	`)`

Trinidad 1903 / Trinidad Grid

`Projected::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID)`

to Trinidad 1903 (Geographic2D)

EPSG	PHPCoord

Name: Trinidad Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TRINIDAD_1903),`
	`  latitudeOfNaturalOrigin: new Degree(10.441666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-61.333333333333),`
	`  falseEasting: new ClarkeLink(430000),`
	`  falseNorthing: new ClarkeLink(325000)`
	`)`

Trinidad 1903 / Trinidad Grid (ftCla)

`Projected::fromSRID(Projected::EPSG_TRINIDAD_1903_TRINIDAD_GRID_FTCLA)`

to Trinidad 1903 (Geographic2D)

EPSG	PHPCoord

Name: Trinidad Grid (Clarke's foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - Trinidad
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_TRINIDAD_1903),`
	`  latitudeOfNaturalOrigin: new Degree(10.441666666667),`
	`  longitudeOfNaturalOrigin: new Degree(-61.333333333333),`
	`  falseEasting: new ClarkeFoot(283800),`
	`  falseNorthing: new ClarkeFoot(214500)`
	`)`

UCS-2000 / Gauss-Kruger CM 21E

`Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_21E)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 21E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger CM 27E

`Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_27E)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 27E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger CM 33E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_33E)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 33E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger CM 39E

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_CM_39E)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 39E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger zone 4

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_4)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 021°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(4500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger zone 5

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_5)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 027°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(5500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger zone 6

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_6)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 6
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 033°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(6500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Gauss-Kruger zone 7

```
Projected::fromSRID(Projected::EPSG_UCS_2000_GAUSS_KRUGER_ZONE_7)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 6-degree CM 039°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(7500000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-01 Crimea

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_01_CRIMEA)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Crimea region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Crimea
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-05 Vinnytsia

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_05_VINNYTSIA)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Vinnytsia region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Vinnytsia oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28.666666666667),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-07 Volyn

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_07_VOLYN)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Volyn region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Volyn oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-12 Dnipropetrovsk

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_12_DNIPROPETROVSK)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Dnipropetrovsk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Dnipropetrovsk oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(35),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-14 Donetsk

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_14_DONETSK)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Donetsk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Donetsk oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(37.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-18 Zhytomyr

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_18_ZHYTOMYR)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Zhytomyr region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Zhytomyr oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(28.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-21 Zakarpattia

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_21_ZAKARPATTIA)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Zakarpattia region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Zakarpattia oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(23.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-23 Zaporizhzhia

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_23_ZAPORIZHZHIA)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Zaporizhzhia region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Zaporizhzhia oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-26 Ivano-Frankivsk

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_26_IVANO_FRANKIVSK)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Ivano-Frankivsk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Ivano-Frankivsk oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-32 Kyiv region

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_32_KYIV_REGION)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Kyiv
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kyiv city and oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-35 Kirovohrad

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_35_KIROVOHRAD)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Kirovohrad region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kirovohrad oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(32),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-44 Luhansk

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_44_LUHANSK)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Luhansk region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Luhansk oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-46 Lviv

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_46_LVIV)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Lviv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Lviv oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-48 Mykolaiv

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_48_MYKOLAIV)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Mykolaiv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Mykolaiv oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-51 Odessa

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_51_ODESSA)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Odessa region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Odessa oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-53 Poltava

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_53_POLTAVA)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Poltava region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Poltava oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33.833333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-56 Rivne

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_56_RIVNE)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Rivne and Khmelnytsky regions
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Rivne and Khmelnytskyi oblasts
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-59 Sumy

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_59_SUMY)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Sumy region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Sumy oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(34.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-61 Ternopil

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_61_TERNOPIL)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Ternopil region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Ternopil oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(25.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-63 Kharkiv

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_63_KHARKIV)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Kharkiv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kharkiv oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-65 Kherson

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_65_KHERSON)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Kherson region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kherson oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-68 Khmelnytsky

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_68_KHMELNYTSKY)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Rivne and Khmelnytsky regions
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Rivne and Khmelnytskyi oblasts
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-71 Cherkasy

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_71_CHERKASY)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Cherkasy region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Cherkasy oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(31.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-73 Chernivtsi

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_73_CHERNIVTSI)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Chernivtsi region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Chernivtsi oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(26),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-74 Chernihiv

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_74_CHERNIHIV)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Chernihiv region
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Chernihiv oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(32),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-80 Kyiv city

```
Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_80_KYIV_CITY)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Kyiv
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Kyiv city and oblast
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / LCS-85 Sevastopol

`Projected::fromSRID(Projected::EPSG_UCS_2000_LCS_85_SEVASTOPOL)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Local coordinate system of Sevastopol city
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - Sevastopol
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 10

`Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_10)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 28.5°E to 31.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(30),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 11

`Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_11)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 11
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 31.5°E to 34.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 12

`Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_12)`

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 34.5°E to 37.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 13

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_13)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - east of 37.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 7

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_7)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 7
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - west of 22.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 8

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_8)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 8
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 22.5°E to 25.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(24),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

UCS-2000 / Ukraine TM zone 9

```
Projected::fromSRID(Projected::EPSG_UCS_2000_UKRAINE_TM_ZONE_9)
```

to UCS-2000 (Geographic2D)

EPSG	PHPCoord

Name: Ukraine TM zone 9
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Ukraine - 25.5°E to 28.5°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪UCS_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(300000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 103-00

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_103_00)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 103-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Dien Bien and Lai Chau
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(103),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 104-00

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_104_00)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 104-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Son La
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(104),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 104-30

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_104_30)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 104-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Ca Mau and Kien Giang
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(104.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 104-45

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_104_45)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 104-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - An Giang, Lao Cai, Nghe An, Phu Tho, Yen Bai
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(104.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 105-30

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_105_30)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 105-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 104°20'E to 106°40'E by province
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 105-45

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_105_45)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 105-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 105°15'E to 107°50'E by province - HCMC
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 106-00

`Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_00)`

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 106-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Hoa Binh, Quang Binh and Tuyen Quang
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 106-15

`Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_15)`

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 106-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Binh Phuoc and Quang Tri
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 106-30

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_106_30)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 106-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Bac Kan and Thai Nguyen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 107-00

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_00)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 107-00
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Bac Giang and Thua Thien-Hue
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 107-15

`Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_15)`

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 107-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Lang Son
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 107-30

`Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_30)`

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 107-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Kon Tum
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 107-45

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_107_45)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 107-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Quang Ninh; Da Nang, Quang Nam; Ba Ria-Vung Tau, Dong Nai, Lam Dong
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(107.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 108-15

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_108_15)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 108-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Binh Dinh, Khanh Hoa, Ninh Thuan
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 108-30

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_108_30)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 108-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - Binh Thuan, Dak Lak, Dak Nong, Gia Lai, Phu Yen
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 zone 481

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_481)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 zone 481
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - west of 103°30'E onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 zone 482

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_482)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 zone 482
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - 103.5°E to 106.5°E onshore, Vietnam - 104°20'E to 106°10'E by province - Hanoi
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / TM-3 zone 491

```
Projected::fromSRID(Projected::EPSG_VN_2000_TM_3_ZONE_491)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: Vietnam TM-3 zone 491
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - east of 106.5°E onshore, Vietnam - Quang Ngai
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / UTM zone 48N

```
Projected::fromSRID(Projected::EPSG_VN_2000_UTM_ZONE_48N)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

VN-2000 / UTM zone 49N

```
Projected::fromSRID(Projected::EPSG_VN_2000_UTM_ZONE_49N)
```

to VN-2000 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VN_2000),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Vanua Levu 1915 / Vanua Levu Grid

```
Projected::fromSRID(Projected::EPSG_VANUA_LEVU_1915_VANUA_LEVU_GRID)
```

to Vanua Levu 1915 (Geographic2D)

EPSG	PHPCoord

Name: Vanua Levu Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Vanua Levu and Taveuni
	`$point->hyperbolicCassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VANUA_LEVU_1915),`
	`  latitudeOfNaturalOrigin: new Degree(-16.25),`
	`  longitudeOfNaturalOrigin: new Degree(179.33333333333),`
	`  falseEasting: new Link(1251331.8),`
	`  falseNorthing: new Link(1662888.5)`
	`)`

Viti Levu 1912 / Viti Levu Grid

```
Projected::fromSRID(Projected::EPSG_VITI_LEVU_1912_VITI_LEVU_GRID)
```

to Viti Levu 1912 (Geographic2D)

EPSG	PHPCoord

Name: Viti Levu Grid
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Fiji - Viti Levu
	`$point->cassiniSoldner(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VITI_LEVU_1912),`
	`  latitudeOfNaturalOrigin: new Degree(-18),`
	`  longitudeOfNaturalOrigin: new Degree(178),`
	`  falseEasting: new Link(544000),`
	`  falseNorthing: new Link(704000)`
	`)`

Voirol 1875 / Nord Algerie (ancienne)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1875_NORD_ALGERIE_ANCIENNE)
```

to Voirol 1875 (Geographic2D)

EPSG	PHPCoord

Name: Nord Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Voirol 1875 / Sud Algerie (ancienne)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1875_SUD_ALGERIE_ANCIENNE)
```

to Voirol 1875 (Geographic2D)

EPSG	PHPCoord

Name: Sud Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - 31°30'N to 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1875),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Voirol 1879 / Nord Algerie (ancienne)

```
Projected::fromSRID(Projected::EPSG_VOIROL_1879_NORD_ALGERIE_ANCIENNE)
```

to Voirol 1879 (Geographic2D)

EPSG	PHPCoord

Name: Nord Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - north of 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1879),`
	`  latitudeOfNaturalOrigin: new Grad(40),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625544),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

Voirol 1879 / Sud Algerie (ancienne)

`Projected::fromSRID(Projected::EPSG_VOIROL_1879_SUD_ALGERIE_ANCIENNE)`

to Voirol 1879 (Geographic2D)

EPSG	PHPCoord

Name: Sud Algerie (ancienne)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Algeria - 31°30'N to 34°39'N
	`$point->lambertConicConformal1SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_VOIROL_1879),`
	`  latitudeOfNaturalOrigin: new Grad(37),`
	`  longitudeOfNaturalOrigin: new Grad(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.999625769),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(300000)`
	`)`

WGS 72 / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 10S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_10S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 11S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_11S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 12S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_12S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 13S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_13S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 14S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_14S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 15S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_15S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 16S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_16S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 17S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_17S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 18S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_18S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_19S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 1N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 1S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_1S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_20S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 21N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_21S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 22S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_22S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 23N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 23S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_23S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 24N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 24S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_24S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 25N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 25S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_25S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 26N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 26S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_26S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 27S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_27S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 28S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_28S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 29S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_29S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 2N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 2S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_2S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 30S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_30S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 31N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 31S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_31S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_32S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 33S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_33S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 34N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 34S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_34S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_35S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 36N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 36S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_36S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 37S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_37S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 38S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_38S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 39S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_39S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 3N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 3S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_3S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 40S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_40S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 41N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 41S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_41S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 42N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 42S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_42S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 43N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 43S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_43S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 44N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 44S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_44S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 45N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 45S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_45S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 46N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 46S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_46S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 47S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_47S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 48S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_48S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 49N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 49S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_49S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 4S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_4S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 50N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 50S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_50S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 51N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 51S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_51S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 52N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 52S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_52S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 53N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 53S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_53S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 54N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 54S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_54S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 55N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 55S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_55S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 56N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 56N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 56S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_56S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 56S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 57N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 57S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_57S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 58N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_58S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 59N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 59S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_59S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 5S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_5S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 60N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 60S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_60S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 6N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 6S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_6S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 7S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_7S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 8N

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8N)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 8S

```
Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_8S)
```

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9N)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72 / UTM zone 9S

`Projected::fromSRID(Projected::EPSG_WGS_72_UTM_ZONE_9S)`

to WGS 72 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / South China Sea Lambert

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_SOUTH_CHINA_SEA_LAMBERT)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: South China Sea Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - offshore - Pearl River basin
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfFalseOrigin: new Degree(21),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(18),`
	`  latitudeOf2ndStandardParallel: new Degree(24),`
	`  eastingAtFalseOrigin: new Metre(500000),`
	`  northingAtFalseOrigin: new Metre(500000)`
	`)`

WGS 72BE / TM 106 NE

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_TM_106_NE)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: TM 106 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Vietnam - offshore Cuu Long basin
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(106),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 10N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_10N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 10S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_10S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 11N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_11N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 11S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_11S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_12N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 12S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_12S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 13N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_13N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 13S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_13S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 14N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_14N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 14S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_14S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 15N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_15N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 15S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_15S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 16N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_16N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 16S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_16S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 17N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_17N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 17S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_17S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_18N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 18S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_18S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 19N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_19N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 19S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_19S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 1N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_1N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 1S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_1S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 20N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_20N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_20S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_21N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 21S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_21S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 22N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_22N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_22S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 23N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_23N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 23S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_23S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 24N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_24N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 24S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_24S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 25N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_25N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 25S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_25S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 26N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_26N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 26S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_26S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 27N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_27N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 27S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_27S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_28N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 28S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_28S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 29N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_29N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 29S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_29S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 2N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_2N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 2S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_2S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 30N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 30S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_30S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 31N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 31S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_31S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 32N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_32N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 32S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_32S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 33N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_33N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 33S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_33S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_34N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 34S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_34S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_35N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_35S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 36N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_36N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 36S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_36S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 37N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_37N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 37S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_37S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_38N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 38S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_38S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_39N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 39S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_39S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 3N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_3N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 3S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_3S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 40N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_40N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 40S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_40S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 41N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_41N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 41S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_41S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 42N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_42N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 42S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_42S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 43N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_43N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 43S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_43S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 44N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_44N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 44S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_44S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 45N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_45N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 45S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_45S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 46N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_46N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 46S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_46S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 47N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_47N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 47S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_47S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 48N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_48N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 48S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_48S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 49N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_49N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 49S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_49S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 4N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_4N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 4S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_4S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 50N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_50N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 50S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_50S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 51N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_51N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 51S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_51S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 52N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_52N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 52S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_52S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 53N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_53N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 53S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_53S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 54N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_54N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 54S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_54S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 55N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_55N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 55S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_55S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 56N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_56N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 56N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 56S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_56S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 56S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 57N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_57N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 57S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_57S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 58N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_58N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 58S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_58S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 59N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_59N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 59S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_59S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_5N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 5S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_5S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 60N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_60N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 60S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_60S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 6N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_6N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 6S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_6S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_7N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 7S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_7S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8N)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 8S

`Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_8S)`

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 72BE / UTM zone 9N

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9N)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 72BE / UTM zone 9S

```
Projected::fromSRID(Projected::EPSG_WGS_72BE_UTM_ZONE_9S)
```

to WGS 72BE (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_72BE),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / Andaman and Nicobar

`Projected::fromSRID(Projected::EPSG_WGS_84_ANDAMAN_AND_NICOBAR)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Andaman and Nicobar NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Andaman and Nicobar Islands
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(10.25),`
	`  longitudeOfNaturalOrigin: new Degree(93.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999428),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Andhra Pradesh

`Projected::fromSRID(Projected::EPSG_WGS_84_ANDHRA_PRADESH)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Andhra Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Andhra Pradesh and Telangana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(16.25543298),`
	`  longitudeOfFalseOrigin: new Degree(80.875),`
	`  latitudeOf1stStandardParallel: new Degree(13.75),`
	`  latitudeOf2ndStandardParallel: new Degree(18.75),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Antarctic Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_ANTARCTIC_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Antarctic Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-71),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Arctic Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_ARCTIC_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Arctic Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(71),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Arunachal Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_ARUNACHAL_PRADESH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Arunachal Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Arunachal Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(28.00157897),`
	`  longitudeOfFalseOrigin: new Degree(94.5),`
	`  latitudeOf1stStandardParallel: new Degree(27),`
	`  latitudeOf2ndStandardParallel: new Degree(29),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Assam

`Projected::fromSRID(Projected::EPSG_WGS_84_ASSAM)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Assam NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Assam
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(26.00257703),`
	`  longitudeOfFalseOrigin: new Degree(92.75),`
	`  latitudeOf1stStandardParallel: new Degree(24.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(27.333333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Australian Antarctic Lambert

`Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_LAMBERT)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Antarctic Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Australian sector north of 80°S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-50),`
	`  longitudeOfFalseOrigin: new Degree(70),`
	`  latitudeOf1stStandardParallel: new Degree(-68.5),`
	`  latitudeOf2ndStandardParallel: new Degree(-74.5),`
	`  eastingAtFalseOrigin: new Metre(6000000),`
	`  northingAtFalseOrigin: new Metre(6000000)`
	`)`

WGS 84 / Australian Antarctic Polar Stereographic

`Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_ANTARCTIC_POLAR_STEREOGRAPHIC)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Antarctic Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Australian sector
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-71),`
	`  longitudeOfOrigin: new Degree(70),`
	`  falseEasting: new Metre(6000000),`
	`  falseNorthing: new Metre(6000000)`
	`)`

WGS 84 / Australian Centre for Remote Sensing Lambert

`Projected::fromSRID(Projected::EPSG_WGS_84_AUSTRALIAN_CENTRE_FOR_REMOTE_SENSING_LAMBERT)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Australian Centre for Remote Sensing Lambert Conformal Projection
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-27),`
	`  longitudeOfFalseOrigin: new Degree(132),`
	`  latitudeOf1stStandardParallel: new Degree(-18),`
	`  latitudeOf2ndStandardParallel: new Degree(-36),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / BLM 14N (ftUS)

`Projected::fromSRID(Projected::EPSG_WGS_84_BLM_14N_FTUS)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 14N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 102°W to 96°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

WGS 84 / BLM 15N (ftUS)

`Projected::fromSRID(Projected::EPSG_WGS_84_BLM_15N_FTUS)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 15N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 96°W to 90°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

WGS 84 / BLM 16N (ftUS)

`Projected::fromSRID(Projected::EPSG_WGS_84_BLM_16N_FTUS)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 16N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 90°W to 84°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

WGS 84 / BLM 17N (ftUS)

```
Projected::fromSRID(Projected::EPSG_WGS_84_BLM_17N_FTUS)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: BLM zone 17N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - 84°W to 78°W and GoM OCS
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.67),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

WGS 84 / Bihar

```
Projected::fromSRID(Projected::EPSG_WGS_84_BIHAR)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Bihar NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Bihar
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(25.87725247),`
	`  longitudeOfFalseOrigin: new Degree(85.875),`
	`  latitudeOf1stStandardParallel: new Degree(24.625),`
	`  latitudeOf2ndStandardParallel: new Degree(27.125),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / CIG92

`Projected::fromSRID(Projected::EPSG_WGS_84_CIG92)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Christmas Island Grid 1992
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Christmas Island - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105.625),`
	`  scaleFactorAtNaturalOrigin: new Unity(1.000024),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1300000)`
	`)`

WGS 84 / CKIG92

`Projected::fromSRID(Projected::EPSG_WGS_84_CKIG92)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Cocos Island Grid 1992
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cocos (Keeling) Islands - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(50000),`
	`  falseNorthing: new Metre(1400000)`
	`)`

WGS 84 / Cape Verde National

```
Projected::fromSRID(Projected::EPSG_WGS_84_CAPE_VERDE_NATIONAL)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Cape Verde National
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Cape Verde
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(15.833333333333),`
	`  longitudeOfFalseOrigin: new Degree(-24),`
	`  latitudeOf1stStandardParallel: new Degree(15),`
	`  latitudeOf2ndStandardParallel: new Degree(16.666666666667),`
	`  eastingAtFalseOrigin: new Metre(161587.83),`
	`  northingAtFalseOrigin: new Metre(128511.202)`
	`)`

WGS 84 / Chhattisgarh

```
Projected::fromSRID(Projected::EPSG_WGS_84_CHHATTISGARH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Chhattisgarh NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Chhattisgarh
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(21),`
	`  longitudeOfNaturalOrigin: new Degree(82.25),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998332),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Delhi

`Projected::fromSRID(Projected::EPSG_WGS_84_DELHI)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Delhi NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Delhi
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(28.62510126),`
	`  longitudeOfFalseOrigin: new Degree(77),`
	`  latitudeOf1stStandardParallel: new Degree(28.375),`
	`  latitudeOf2ndStandardParallel: new Degree(28.875),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Dubai Local TM

`Projected::fromSRID(Projected::EPSG_WGS_84_DUBAI_LOCAL_TM)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Dubai Local Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UAE - Dubai municipality
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(55.333333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / EPSG Alaska Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ALASKA_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Alaska Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / EPSG Arctic Regional zone A1

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A1)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 156°W to 66°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone A2

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A2)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 84°W to 6°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone A3

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A3)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 12°W to 78°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(33),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone A4

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A4)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 60°E to 150°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(105),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone A5

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_A5)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone A5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°N to 75°N, 132°E to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(81.317226),`
	`  longitudeOfFalseOrigin: new Degree(177),`
	`  latitudeOf1stStandardParallel: new Degree(85),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone B1

`Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B1)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 156°W to 66°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone B2

`Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B2)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 84°W to 6°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone B3

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B3)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 12°W to 78°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(33),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone B4

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B4)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 60°E to 150°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(105),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone B5

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_B5)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone B5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 79°N to 67°N, 132°E to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(73.`
	`↪155740861111),`
	`  longitudeOfFalseOrigin: new Degree(177),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(69),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone C1

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C1)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C1
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 156°W to 66°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(-111),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone C2

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C2)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C2
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 84°W to 6°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(-39),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone C3

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C3)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C3
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 12°W to 78°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(33),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone C4

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C4)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C4
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 60°E to 150°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(105),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic Regional zone C5

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_REGIONAL_ZONE_C5)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic Regional LCC zone C5
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 71°N to 59°N, 132°E to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(65.`
	`↪1012708888889),`
	`  longitudeOfFalseOrigin: new Degree(177),`
	`  latitudeOf1stStandardParallel: new Degree(69),`
	`  latitudeOf2ndStandardParallel: new Degree(61),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / EPSG Arctic zone 1-21

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_21)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 180°W to 120°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(-150),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(21500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

WGS 84 / EPSG Arctic zone 1-27

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_27)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 0°E to 60°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(30),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(27500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

WGS 84 / EPSG Arctic zone 1-29

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_29)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 60°E to 120°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(90),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(29500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

WGS 84 / EPSG Arctic zone 1-31

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_1_31)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 1-31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 87°50'N to 82°50'N, 120°E to 180°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(85.437118333333),`
	`  longitudeOfFalseOrigin: new Degree(150),`
	`  latitudeOf1stStandardParallel: new Degree(87),`
	`  latitudeOf2ndStandardParallel: new Degree(83.666666666667),`
	`  eastingAtFalseOrigin: new Metre(31500000),`
	`  northingAtFalseOrigin: new Metre(1500000)`
	`)`

WGS 84 / EPSG Arctic zone 2-10

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_10)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 146°E to 174°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(166),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(10500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

WGS 84 / EPSG Arctic zone 2-12

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_12)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 174°W to 135°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(-154),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(12500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

WGS 84 / EPSG Arctic zone 2-24

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_24)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 33°E to 73°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(53),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(24500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

WGS 84 / EPSG Arctic zone 2-26

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_26)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 73°E to 113°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(93),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(26500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

WGS 84 / EPSG Arctic zone 2-28

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_2_28)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 2-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 84°30'N to 79°30'N, 113°E to 153°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(82.058424888889),`
	`  longitudeOfFalseOrigin: new Degree(133),`
	`  latitudeOf1stStandardParallel: new Degree(83.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(80.333333333333),`
	`  eastingAtFalseOrigin: new Metre(28500000),`
	`  northingAtFalseOrigin: new Metre(2500000)`
	`)`

WGS 84 / EPSG Arctic zone 3-13

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_13)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 35°E to 67°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(52),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(13500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

WGS 84 / EPSG Arctic zone 3-15

`Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_15)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 67°E to 98°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(83),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(15500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

WGS 84 / EPSG Arctic zone 3-17

`Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_17)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 98°E to 129°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(17500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

WGS 84 / EPSG Arctic zone 3-19

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_19)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 129°E to 160°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(145),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(19500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

WGS 84 / EPSG Arctic zone 3-21

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_21)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 160°E to 169°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(176),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(21500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

WGS 84 / EPSG Arctic zone 3-23

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_3_23)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 3-23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 81°10'N to 76°10'N, 169°W to 138°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(78.707337527778),`
	`  longitudeOfFalseOrigin: new Degree(-153),`
	`  latitudeOf1stStandardParallel: new Degree(80.333333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(77),`
	`  eastingAtFalseOrigin: new Metre(23500000),`
	`  northingAtFalseOrigin: new Metre(3500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-12

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_12)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 169°W to 141°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(-155),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(12500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-30

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_30)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 46°E to 70°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(58),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(30500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-32

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_32)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 70°E to 94°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(82),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(32500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-34

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_34)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 94°E to 118°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(106),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(34500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-36

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_36)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 118°E to 142°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(130),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(36500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-38

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_38)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 142°E to 166°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(154),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(38500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 4-40

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_4_40)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 4-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 77°50'N to 72°50'N, 166°E to 169°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(75.3644033055556),`
	`  longitudeOfFalseOrigin: new Degree(179),`
	`  latitudeOf1stStandardParallel: new Degree(77),`
	`  latitudeOf2ndStandardParallel: new Degree(73.666666666667),`
	`  eastingAtFalseOrigin: new Metre(40500000),`
	`  northingAtFalseOrigin: new Metre(4500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-15

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_15)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 44°E to 64°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(54),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(15500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-17

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_17)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 64°E to 85°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(74),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(17500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-19

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_19)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 85°E to 106°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(95),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(19500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-21

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_21)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 106°E to 127°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(116),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(21500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-23

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_23)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 127°E to 148°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(137),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(23500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-25

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_25)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 148°E to 169°E
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(158),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(25500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Arctic zone 5-27

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_ARCTIC_ZONE_5_27)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Arctic LCC zone 5-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Arctic - 74°30'N to 69°30'N, 169°E to 169°W
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(72.025009194444),`
	`  longitudeOfFalseOrigin: new Degree(179),`
	`  latitudeOf1stStandardParallel: new Degree(73.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(70.333333333333),`
	`  eastingAtFalseOrigin: new Metre(27500000),`
	`  northingAtFalseOrigin: new Metre(5500000)`
	`)`

WGS 84 / EPSG Canada Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_CANADA_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Canada Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / EPSG Greenland Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_GREENLAND_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Greenland Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / EPSG Norway Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_NORWAY_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Norway Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(18),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / EPSG Russia Polar Stereographic

```
Projected::fromSRID(Projected::EPSG_WGS_84_EPSG_RUSSIA_POLAR_STEREOGRAPHIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: EPSG Russia Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / Equal Earth Americas

```
Projected::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_AMERICAS)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Equal Earth Americas
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equalEarth(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  longitudeOfNaturalOrigin: new Degree(-90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Equal Earth Asia-Pacific

```
Projected::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_ASIA_PACIFIC)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Equal Earth Asia-Pacific
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equalEarth(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Equal Earth Greenwich

`Projected::fromSRID(Projected::EPSG_WGS_84_EQUAL_EARTH_GREENWICH)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Equal Earth Greenwich
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equalEarth(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / GLANCE Africa

`Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_AFRICA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GLANCE projection - Africa
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Africa - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(5),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / GLANCE Asia

`Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_ASIA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GLANCE projection - Asia
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(45),`
	`  longitudeOfNaturalOrigin: new Degree(100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / GLANCE Europe

`Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_EUROPE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GLANCE projection - Europe
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(55),`
	`  longitudeOfNaturalOrigin: new Degree(20),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / GLANCE North America

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_NORTH_AMERICA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GLANCE projection - North America
Code: urn:ogc:def:coordinateOperation:EPS
Extent: North America - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(50),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / GLANCE Oceania

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_OCEANIA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GLANCE projection - Oceania
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Oceania - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(-15),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / GLANCE South America

```
Projected::fromSRID(Projected::EPSG_WGS_84_GLANCE_SOUTH_AMERICA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: GLANCE projection - South America
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South America - Equi7
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(-15),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Gabon TM

```
Projected::fromSRID(Projected::EPSG_WGS_84_GABON_TM)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Gabon Transverse Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gabon - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(500000)`
	`)`

WGS 84 / Gabon TM 2011

`Projected::fromSRID(Projected::EPSG_WGS_84_GABON_TM_2011)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Gabon Transverse Mercator 2011
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Gabon
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(11.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(1500000),`
	`  falseNorthing: new Metre(5500000)`
	`)`

WGS 84 / Goa

```
Projected::fromSRID(Projected::EPSG_WGS_84_GOA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Goa NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Goa
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(15.375),`
	`  longitudeOfNaturalOrigin: new Degree(74),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999913),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Gujarat

```
Projected::fromSRID(Projected::EPSG_WGS_84_GUJARAT)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Gujarat NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Gujarat
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(22.37807121),`
	`  longitudeOfFalseOrigin: new Degree(71.375),`
	`  latitudeOf1stStandardParallel: new Degree(20.791666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(23.958333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Haryana

```
Projected::fromSRID(Projected::EPSG_WGS_84_HARYANA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Haryana NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Haryana
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(29.25226266),`
	`  longitudeOfFalseOrigin: new Degree(76),`
	`  latitudeOf1stStandardParallel: new Degree(28.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(30.416666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Himachal Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_HIMACHAL_PRADESH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Himachal Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Himachal Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(31.75183497),`
	`  longitudeOfFalseOrigin: new Degree(77.375),`
	`  latitudeOf1stStandardParallel: new Degree(30.75),`
	`  latitudeOf2ndStandardParallel: new Degree(32.75),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / IBCAO Polar Stereographic

`Projected::fromSRID(Projected::EPSG_WGS_84_IBCAO_POLAR_STEREOGRAPHIC)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IBCAO Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(75),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / IBCSO Polar Stereographic

`Projected::fromSRID(Projected::EPSG_WGS_84_IBCSO_POLAR_STEREOGRAPHIC)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: IBCSO Polar Stereographic
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - south of 50°S
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-65),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / India NSF LCC

`Projected::fromSRID(Projected::EPSG_WGS_84_INDIA_NSF_LCC)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Survey of India Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(24),`
	`  longitudeOfFalseOrigin: new Degree(80),`
	`  latitudeOf1stStandardParallel: new Degree(12.472955),`
	`  latitudeOf2ndStandardParallel: new Degree(35.172804444444),`
	`  eastingAtFalseOrigin: new Metre(4000000),`
	`  northingAtFalseOrigin: new Metre(4000000)`
	`)`

WGS 84 / India Northeast

`Projected::fromSRID(Projected::EPSG_WGS_84_INDIA_NORTHEAST)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Northeast India NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - northeast
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(25.63452135),`
	`  longitudeOfFalseOrigin: new Degree(93.5),`
	`  latitudeOf1stStandardParallel: new Degree(23.041666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(28.208333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Jammu and Kashmir

```
Projected::fromSRID(Projected::EPSG_WGS_84_JAMMU_AND_KASHMIR)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Jammu and Kashmir NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Jammu and Kashmir
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(34.75570874),`
	`  longitudeOfFalseOrigin: new Degree(76.5),`
	`  latitudeOf1stStandardParallel: new Degree(33.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(36.416666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Jharkhand

```
Projected::fromSRID(Projected::EPSG_WGS_84_JHARKHAND)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Jharkhand NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Jharkhand
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(23.62652682),`
	`  longitudeOfFalseOrigin: new Degree(85.625),`
	`  latitudeOf1stStandardParallel: new Degree(22.541666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(24.708333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Karnataka

```
Projected::fromSRID(Projected::EPSG_WGS_84_KARNATAKA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Karnataka NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Karnataka
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(15.125),`
	`  longitudeOfNaturalOrigin: new Degree(76.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998012),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Kerala

```
Projected::fromSRID(Projected::EPSG_WGS_84_KERALA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Kerala NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Kerala
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(10.5),`
	`  longitudeOfNaturalOrigin: new Degree(76),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999177),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Lakshadweep

```
Projected::fromSRID(Projected::EPSG_WGS_84_LAKSHADWEEP)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Lakshadweep NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Lakshadweep
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(10),`
	`  longitudeOfNaturalOrigin: new Degree(73.125),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999536),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Madhya Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_MADHYA_PRADESH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Madhya Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Madhya Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(24.00529821),`
	`  longitudeOfFalseOrigin: new Degree(78.375),`
	`  latitudeOf1stStandardParallel: new Degree(22),`
	`  latitudeOf2ndStandardParallel: new Degree(26),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Maharashtra

`Projected::fromSRID(Projected::EPSG_WGS_84_MAHARASHTRA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Maharashtra NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Maharashtra
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(18.88015774),`
	`  longitudeOfFalseOrigin: new Degree(76.75),`
	`  latitudeOf1stStandardParallel: new Degree(16.625),`
	`  latitudeOf2ndStandardParallel: new Degree(21.125),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Manipur

`Projected::fromSRID(Projected::EPSG_WGS_84_MANIPUR)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Manipur NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Manipur
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(24.75060911),`
	`  longitudeOfFalseOrigin: new Degree(94),`
	`  latitudeOf1stStandardParallel: new Degree(24.083333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(25.416666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Meghalaya

```
Projected::fromSRID(Projected::EPSG_WGS_84_MEGHALAYA)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Meghalaya NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Meghalaya
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(25.62524747),`
	`  longitudeOfFalseOrigin: new Degree(91.375),`
	`  latitudeOf1stStandardParallel: new Degree(25.208333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(26.041666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Mercator 41

```
Projected::fromSRID(Projected::EPSG_WGS_84_MERCATOR_41)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Mercator 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - offshore Pacific Ocean, Southern Ocean
	`$point->mercatorVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOf1stStandardParallel: new Degree(-41),`
	`  longitudeOfNaturalOrigin: new Degree(100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Mizoram

```
Projected::fromSRID(Projected::EPSG_WGS_84_MIZORAM)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Mizoram NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Mizoram
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(23.125),`
	`  longitudeOfNaturalOrigin: new Degree(92.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999821),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / NIWA Albers

```
Projected::fromSRID(Projected::EPSG_WGS_84_NIWA_ALBERS)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: NIWA Albers
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - offshore Pacific Ocean, Southern Ocean
	`$point->albersEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-40),`
	`  longitudeOfFalseOrigin: new Degree(175),`
	`  latitudeOf1stStandardParallel: new Degree(-30),`
	`  latitudeOf2ndStandardParallel: new Degree(-50),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / NSIDC EASE-Grid 2.0 Global

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_GLOBAL)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC EASE-Grid 2.0 Global
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - 86°S to 86°N
	`$point->lambertCylindricalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOf1stStandardParallel: new Degree(30),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / NSIDC EASE-Grid 2.0 North

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_NORTH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC EASE-Grid 2.0 North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 0°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / NSIDC EASE-Grid 2.0 South

```
Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_EASE_GRID_2_0_SOUTH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC EASE-Grid 2.0 South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - south of 0°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / NSIDC Sea Ice Polar Stereographic North

`Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_NORTH)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic north
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(70),`
	`  longitudeOfOrigin: new Degree(-45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / NSIDC Sea Ice Polar Stereographic South

`Projected::fromSRID(Projected::EPSG_WGS_84_NSIDC_SEA_ICE_POLAR_STEREOGRAPHIC_SOUTH)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: US NSIDC Sea Ice polar stereographic south
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-70),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Nagaland

`Projected::fromSRID(Projected::EPSG_WGS_84_NAGALAND)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Nagaland NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Nagaland
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(26.12581974),`
	`  longitudeOfFalseOrigin: new Degree(94.375),`
	`  latitudeOf1stStandardParallel: new Degree(25.375),`
	`  latitudeOf2ndStandardParallel: new Degree(26.875),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / North Pole LAEA Alaska

`Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_ALASKA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Alaska)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / North Pole LAEA Atlantic

`Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_ATLANTIC)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Atlantic)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-40),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / North Pole LAEA Bering Sea

`Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_BERING_SEA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Bering Sea)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(180),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / North Pole LAEA Canada

`Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_CANADA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Canada)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(-100),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / North Pole LAEA Europe

`Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_EUROPE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Europe)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(10),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / North Pole LAEA Russia

`Projected::fromSRID(Projected::EPSG_WGS_84_NORTH_POLE_LAEA_RUSSIA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: North Pole Lambert Azimuthal Equal Area (Russia)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - north of 45°N
	`$point->lambertAzimuthalEqualArea(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Orissa

`Projected::fromSRID(Projected::EPSG_WGS_84_ORISSA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Orissa NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Odisha
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(20.25305174),`
	`  longitudeOfFalseOrigin: new Degree(84.375),`
	`  latitudeOf1stStandardParallel: new Degree(18.583333333333),`
	`  latitudeOf2ndStandardParallel: new Degree(21.916666666667),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / PDC Mercator

`Projected::fromSRID(Projected::EPSG_WGS_84_PDC_MERCATOR)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Pacific Disaster Center Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Pacific Ocean
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(150),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Pseudo-Mercator

`Projected::fromSRID(Projected::EPSG_WGS_84_PSEUDO_MERCATOR)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Popular Visualisation Pseudo-Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->popularVisualisationPseudoMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Punjab

`Projected::fromSRID(Projected::EPSG_WGS_84_PUNJAB)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Punjab NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Punjab
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(31.00178226),`
	`  longitudeOfFalseOrigin: new Degree(75.375),`
	`  latitudeOf1stStandardParallel: new Degree(30),`
	`  latitudeOf2ndStandardParallel: new Degree(32),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Rajasthan

```
Projected::fromSRID(Projected::EPSG_WGS_84_RAJASTHAN)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Rajasthan NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Rajasthan
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(26.88505546),`
	`  longitudeOfFalseOrigin: new Degree(73.875),`
	`  latitudeOf1stStandardParallel: new Degree(24.291666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(29.458333333333),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / SCAR IMW SP19-20

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP19_20)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SP19-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 60°S to 64°S, 72°W to 60°W (SP19-20)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(-60.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-63.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SP21-22

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP21_22)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SP21-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 60°S to 64°S, 60°W to 48°W (SP21-22)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-54),`
	`  latitudeOf1stStandardParallel: new Degree(-60.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-63.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SP23-24

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SP23_24)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SP23-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 60°S to 64°S, 48°W to 36°W (SP23-24)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-42),`
	`  latitudeOf1stStandardParallel: new Degree(-60.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-63.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ01-02

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ01_02)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ01-02
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 180°W to 168°W (SQ01-02)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-174),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ19-20

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ19_20)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ19-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 72°W to 60°W (SQ19-20)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ21-22

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ21_22)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ21-22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 60°W to 48°W (SQ21-22)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-54),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ37-38

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ37_38)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ37-38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 36°E to 48°E (SQ37-38)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(42),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ39-40

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ39_40)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ39-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 48°E to 60°E (SQ39-40)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(54),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ41-42

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ41_42)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ41-42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 60°E to 72°E (SQ41-42)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(66),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ43-44

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ43_44)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ43-44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 72°E to 84°E (SQ43-44)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(78),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ45-46

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ45_46)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ45-46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 84°E to 96°E (SQ45-46)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(90),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ47-48

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ47_48)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ47-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 96°E to 108°E (SQ47-48)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(102),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ49-50

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ49_50)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ49-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 108°E to 120°E (SQ49-50)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ51-52

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ51_52)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ51-52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 120°E to 132°E (SQ51-52)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(126),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ53-54

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ53_54)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ53-54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 132°E to 144°E (SQ53-54)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(138),`
	`  latitudeOf1stStandardParallel: new Degree(-64.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ55-56

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ55_56)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ55-56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 144°E to 156°E (SQ55-56)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(150),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SQ57-58

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SQ57_58)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SQ57-58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 64°S to 68°S, 156°E to 168°E (SQ57-58)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(162),`
	`  latitudeOf1stStandardParallel: new Degree(-64.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-67.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR13-14

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR13_14)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR13-14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 108°W to 96°W (SR13-14)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-102),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR15-16

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR15_16)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR15-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 96°W to 84°W (SR15-16)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-90),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR17-18

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR17_18)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR17-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 84°W to 72°W (SR17-18)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-78),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR19-20

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR19_20)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR19-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 72°W to 60°W (SR19-20)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-66),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR27-28

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR27_28)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR27-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 24°W to 12°W (SR27-28)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-18),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR29-30

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR29_30)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR29-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 12°W to 0°W (SR29-30)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-6),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR31-32

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR31_32)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR31-32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 0°E to 12°E (SR31-32)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(6),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR33-34

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR33_34)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR33-34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 12°E to 24°E (SR33-34)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(18),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR35-36

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR35_36)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR35-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 24°E to 36°E (SR35-36)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(30),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR37-38

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR37_38)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR37-38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 36°E to 48°E (SR37-38)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(42),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR39-40

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR39_40)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR39-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 48°E to 60°E (SR39-40)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(54),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR41-42

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR41_42)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR41-42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 60°E to 72°E (SR41-42)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(66),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR43-44

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR43_44)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR43-44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 72°E to 84°E (SR43-44)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(78),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR45-46

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR45_46)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR45-46
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 84°E to 96°E (SR45-46)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(90),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR47-48

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR47_48)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR47-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 96°E to 108°E (SR47-48)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(102),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR49-50

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR49_50)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR49-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 108°E to 120°E (SR49-50)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(114),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR51-52

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR51_52)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR51-52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 120°E to 132°E (SR51-52)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(126),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR53-54

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR53_54)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR53-54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 132°E to 144°E (SR53-54)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(138),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR55-56

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR55_56)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR55-56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 144°E to 156°E (SR55-56)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(150),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR57-58

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR57_58)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR57-58
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 156°E to 168°E (SR57-58)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(162),`
	`  latitudeOf1stStandardParallel: new Degree(-68.`
	`↪666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.`
	`↪333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SR59-60

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SR59_60)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SR59-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 68°S to 72°S, 168°E to 180°E (SR59-60)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(174),`
	`  latitudeOf1stStandardParallel: new Degree(-68.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-71.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS04-06

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS04_06)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS04-06
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 162°W to 144°W (SS04-06)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-153),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS07-09

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS07_09)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS07-09
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 144°W to 126°W (SS07-09)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-135),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS10-12

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS10_12)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS10-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 126°W to 108°W (SS10-12)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-117),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS13-15

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS13_15)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS13-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 108°W to 90°W (SS13-15)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-99),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS16-18

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS16_18)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS16-18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 90°W to 72°W (SS16-18)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-81),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS19-21

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS19_21)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS19-21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 72°W to 54°W (SS19-21)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-63),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS25-27

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS25_27)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS25-27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 36°W to 18°W (SS25-27)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-27),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS28-30

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS28_30)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS28-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 18°W to 0°W (SS28-30)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-9),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS31-33

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS31_33)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS31-33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 0°E to 18°E (SS31-33)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(9),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS34-36

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS34_36)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS34-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 18°E to 36°E (SS34-36)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(27),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS37-39

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS37_39)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS37-39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 36°E to 54°E (SS37-39)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(45),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS40-42

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS40_42)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS40-42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 54°E to 72°E (SS40-42)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(63),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS43-45

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS43_45)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS43-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 72°E to 90°E (SS43-45)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(81),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS46-48

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS46_48)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS46-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 90°E to 108°E (SS46-48)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(99),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS49-51

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS49_51)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS49-51
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 108°E to 126°E (SS49-51)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(117),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS52-54

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS52_54)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS52-54
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 126°E to 144°E (SS52-54)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(135),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS55-57

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS55_57)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS55-57
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 144°E to 162°E (SS55-57)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(153),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SS58-60

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SS58_60)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SS58-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 72°S to 76°S, 162°E to 180°E (SS58-60)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(171),`
	`  latitudeOf1stStandardParallel: new Degree(-72.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-75.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST01-04

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST01_04)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST01-04
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 180°W to 156°W (ST01-04)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-168),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST05-08

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST05_08)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST05-08
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 156°W to 132°W (ST05-08)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-144),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST09-12

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST09_12)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST09-12
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 132°W to 108°W (ST09-12)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-120),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST13-16

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST13_16)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST13-16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 108°W to 84°W (ST13-16)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-96),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST17-20

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST17_20)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST17-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 84°W to 60°W (ST17-20)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-72),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST21-24

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST21_24)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST21-24
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 60°W to 36°W (ST21-24)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-48),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST25-28

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST25_28)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST25-28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 36°W to 12°W (ST25-28)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(-24),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST29-32

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST29_32)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST29-32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 12°W to 12°E (ST29-32)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(0),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST33-36

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST33_36)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST33-36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 12°E to 36°E (ST33-36)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(24),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST37-40

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST37_40)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST37-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 36°E to 60°E (ST37-40)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(48),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST41-44

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST41_44)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST41-44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 60°E to 84°E (ST41-44)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(72),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST45-48

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST45_48)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST45-48
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 84°E to 108°E (ST45-48)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(96),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST49-52

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST49_52)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST49-52
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 108°E to 132°E (ST49-52)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(120),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST53-56

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST53_56)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST53-56
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 132°E to 156°E (ST53-56)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(144),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW ST57-60

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_ST57_60)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW ST57-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 76°S to 80°S, 156°E to 180°E (ST57-60)
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-90),`
	`  longitudeOfFalseOrigin: new Degree(168),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU01-05

`Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU01_05)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU01-05
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 180°W to 150°W (SU01-05)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-165),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU06-10

`Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU06_10)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU06-10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 150°W to 120°W (SU06-10)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-135),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU11-15

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU11_15)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU11-15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 120°W to 90°W (SU11-15)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-105),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU16-20

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU16_20)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU16-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 90°W to 60°W (SU16-20)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-75),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU21-25

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU21_25)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU21-25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 60°W to 30°W (SU21-25)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU26-30

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU26_30)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU26-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 30°W to 0°W (SU26-30)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-15),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU31-35

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU31_35)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU31-35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 0°E to 30°E (SU31-35)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.`
	`↪238611111111),`
	`  longitudeOfOrigin: new Degree(15),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU36-40

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU36_40)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU36-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 30°E to 60°E (SU36-40)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.`
	`↪238611111111),`
	`  longitudeOfOrigin: new Degree(45),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU41-45

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU41_45)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU41-45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 60°E to 90°E (SU41-45)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(75),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU46-50

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU46_50)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU46-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 90°E to 120°E (SU46-50)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(105),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU51-55

`Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU51_55)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU51-55
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 120°E to 150°E (SU51-55)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(135),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SU56-60

`Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SU56_60)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SU56-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 80°S to 84°S, 150°E to 180° (SU56-60)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(165),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SV01-10

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV01_10)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SV01-10
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 180°W to 120°W (SV01-10)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SV11-20

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV11_20)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SV11-20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 120°W to 60°W (SV11-20)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(-90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SV21-30

`Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV21_30)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SV21-30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 60°W to 0°W (SV21-30)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.`
	`↪238611111111),`
	`  longitudeOfOrigin: new Degree(-30),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SV31-40

`Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV31_40)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SV31-40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 0°E to 60°E (SV31-40)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.`
	`↪238611111111),`
	`  longitudeOfOrigin: new Degree(30),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SV41-50

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV41_50)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SV41-50
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 60°E to 120°E (SV41-50)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(90),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SV51-60

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SV51_60)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SV51-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 84°S to 88°S, 120°E to 180°E (SV51-60)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(150),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / SCAR IMW SW01-60

```
Projected::fromSRID(Projected::EPSG_WGS_84_SCAR_IMW_SW01_60)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: SCAR IMW SW01-60
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - 88°S to 90°S, 180°W to 180°E (SW01-60)
	`$point->polarStereographicVariantB(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfStandardParallel: new Degree(-80.238611111111),`
	`  longitudeOfOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Sikkim

```
Projected::fromSRID(Projected::EPSG_WGS_84_SIKKIM)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Sikkim NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Sikkim
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(27.625),`
	`  longitudeOfNaturalOrigin: new Degree(88.5),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999926),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / South Georgia Lambert

```
Projected::fromSRID(Projected::EPSG_WGS_84_SOUTH_GEORGIA_LAMBERT)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: South Georgia Lambert
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Georgia - onshore
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-55),`
	`  longitudeOfFalseOrigin: new Degree(-37),`
	`  latitudeOf1stStandardParallel: new Degree(-54),`
	`  latitudeOf2ndStandardParallel: new Degree(-54.75),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / TM 116 SE

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_116_SE)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 116 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - Bali Sea west
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(116),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / TM 12 SE

`Projected::fromSRID(Projected::EPSG_WGS_84_TM_12_SE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 12 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Angola - Angola proper - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(12),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / TM 132 SE

`Projected::fromSRID(Projected::EPSG_WGS_84_TM_132_SE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 132 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Indonesia - West Papua - Tangguh
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / TM 36 SE

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_36_SE)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 36 SE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Mozambique - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(36),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / TM 6 NE

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_6_NE)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 6 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3°E to 9°E - by country
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / TM 60 SW

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_60_SW)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 60 SW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Falkland Islands - offshore 63°W to 57°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-60),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / TM 90 NE

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_90_NE)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM 90 NE
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bangladesh, Bangladesh - onshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / TM Zone 20N (ftUS)

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_20N_FTUS)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM Zone 20N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - offshore west of 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

WGS 84 / TM Zone 21N (ftUS)

```
Projected::fromSRID(Projected::EPSG_WGS_84_TM_ZONE_21N_FTUS)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: TM Zone 21N (US survey foot)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Trinidad and Tobago - offshore east of 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new USSurveyFoot(1640416.667),`
	`  falseNorthing: new USSurveyFoot(0)`
	`)`

WGS 84 / TMzn35N

`Projected::fromSRID(Projected::EPSG_WGS_84_TMZN35N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / TMzn36N

`Projected::fromSRID(Projected::EPSG_WGS_84_TMZN36N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / Tamil Nadu

`Projected::fromSRID(Projected::EPSG_WGS_84_TAMIL_NADU)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tamil Nadu NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Tamil Nadu
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(10.875),`
	`  longitudeOfNaturalOrigin: new Degree(78.375),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9997942),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / Tripura

`Projected::fromSRID(Projected::EPSG_WGS_84_TRIPURA)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Tripura NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Tripura
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(23.75),`
	`  longitudeOfNaturalOrigin: new Degree(91.75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999822),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / UPS North (E,N)

`Projected::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_E_N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Universal Polar Stereographic North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / UPS North (N,E)

`Projected::fromSRID(Projected::EPSG_WGS_84_UPS_NORTH_N_E)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Universal Polar Stereographic North
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - north of 60°N
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / UPS South (E,N)

`Projected::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_E_N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Universal Polar Stereographic South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / UPS South (N,E)

`Projected::fromSRID(Projected::EPSG_WGS_84_UPS_SOUTH_N_E)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Universal Polar Stereographic South
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - south of 60°S
	`$point->polarStereographicVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(-90),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.994),`
	`  falseEasting: new Metre(2000000),`
	`  falseNorthing: new Metre(2000000)`
	`)`

WGS 84 / USGS Transantarctic Mountains

`Projected::fromSRID(Projected::EPSG_WGS_84_USGS_TRANSANTARCTIC_MOUNTAINS)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: USGS Transantarctic Mountains
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Antarctica - Transantarctic mountains north of 80°S
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(-78),`
	`  longitudeOfFalseOrigin: new Degree(162),`
	`  latitudeOf1stStandardParallel: new Degree(-76.666666666667),`
	`  latitudeOf2ndStandardParallel: new Degree(-79.333333333333),`
	`  eastingAtFalseOrigin: new Metre(0),`
	`  northingAtFalseOrigin: new Metre(0)`
	`)`

WGS 84 / UTM grid system (northern hemisphere)

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_NORTHERN_HEMISPHERE)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM grid system (northern hemisphere)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°N to 84°N
	`$point->transverseMercatorZonedGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  initialLongitude: new Degree(-180),`
	`  zoneWidth: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM grid system (southern hemisphere)

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_GRID_SYSTEM_SOUTHERN_HEMISPHERE)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM grid system (southern hemisphere)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°N to 80°S
	`$point->transverseMercatorZonedGrid(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  initialLongitude: new Degree(-180),`
	`  zoneWidth: new Degree(6),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 10N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_10N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 10S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_10S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 10S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°W to 120°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 11N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 11S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_11S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 11S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°W to 114°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 12N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 12S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_12S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 12S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°W to 108°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 13N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 13S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_13S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 13S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°W to 102°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 14N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 14S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_14S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 14S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°W to 96°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 15N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 15S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_15S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 15S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°W to 90°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 16N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 16S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_16S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 16S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°W to 84°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 17N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 17S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_17S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 17S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°W to 78°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 18N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 18S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_18S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 18S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°W to 72°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 19N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 19S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_19S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 19S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°W to 66°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 1N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 1S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_1S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 1S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 180°W to 174°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 20N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 20S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_20S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 20S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°W to 60°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 21S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_21S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 22N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 22S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_22S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 22S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°W to 48°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 23N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 23S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_23S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 23S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°W to 42°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 24N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 24S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_24S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 24S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°W to 36°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 25N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 25S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_25S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 25S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°W to 30°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 26N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 26S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_26S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 26S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°W to 24°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 27N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 27S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_27S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 27S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°W to 18°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 28N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 28S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_28S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 29N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 29S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_29S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 29S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°W to 6°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 2N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 2S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_2S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 2S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°W to 168°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 30N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 30S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_30S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 30S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°W to 0°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 31N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 31S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_31S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 31S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 0°E to 6°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(3),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 32N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 32S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_32S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 32S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 6°E to 12°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(9),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 33N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 33S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_33S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 33S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 12°E to 18°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 34N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 34S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_34S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 34S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 18°E to 24°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(21),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 35N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 35S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_35S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 35S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 24°E to 30°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(27),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 36N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 36S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_36S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 36S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 30°E to 36°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(33),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 37S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_37S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 38N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 38S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_38S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 39N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 39S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_39S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 3N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 3S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_3S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 3S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°W to 162°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 40S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_40S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 41N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 41S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_41S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 41S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 60°E to 66°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(63),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 42N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 42S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_42S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 42S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 66°E to 72°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(69),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 43N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 43S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_43S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 43S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 44N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 44S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_44S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 44S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 45N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 45S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_45S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 45S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 46N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 46S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_46S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 46S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 47N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 47S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_47S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 47S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 48N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 48S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_48S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 48S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 49N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 49S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_49S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 49S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 4N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 4S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_4S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 4S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°W to 156°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 50N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 50S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_50S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 50S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 51N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 51S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_51S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 51S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 52N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 52S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_52S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 52S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 53N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 53S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_53S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 53S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 54N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 54S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_54S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 54S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°E to 144°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 55N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 55S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_55S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 55S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°E to 150°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 56N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 56N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 56S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_56S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 56S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°E to 156°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 57N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 57S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_57S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 57S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°E to 162°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(159),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 58N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 58S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_58S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 58S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 162°E to 168°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(165),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 59N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 59S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_59S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 59S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 168°E to 174°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(171),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 5N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 5S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_5S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 5S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 156°W to 150°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-153),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 60N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 60S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_60S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 60S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 174°E to 180°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(177),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 6N

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6N)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 6S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_6S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 6S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 150°W to 144°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-147),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 7N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 7S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_7S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 7S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 144°W to 138°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-141),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 8N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 8S

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_8S)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 8S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 138°W to 132°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-135),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / UTM zone 9N

`Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9N)`

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / UTM zone 9S

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTM_ZONE_9S)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 9S
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - S hemisphere - 132°W to 126°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-129),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(10000000)`
	`)`

WGS 84 / Uttar Pradesh

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTTAR_PRADESH)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Uttar Pradesh NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Uttar Pradesh
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(27.13270823),`
	`  longitudeOfFalseOrigin: new Degree(80.875),`
	`  latitudeOf1stStandardParallel: new Degree(24.875),`
	`  latitudeOf2ndStandardParallel: new Degree(29.375),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / Uttaranchal

```
Projected::fromSRID(Projected::EPSG_WGS_84_UTTARANCHAL)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: Uttaranchal NSF LCC
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - Uttarakhand
	`$point->lambertConicConformal2SP(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfFalseOrigin: new Degree(30.0017132),`
	`  longitudeOfFalseOrigin: new Degree(79.375),`
	`  latitudeOf1stStandardParallel: new Degree(29),`
	`  latitudeOf2ndStandardParallel: new Degree(31),`
	`  eastingAtFalseOrigin: new Metre(1000000),`
	`  northingAtFalseOrigin: new Metre(1000000)`
	`)`

WGS 84 / West Bengal

```
Projected::fromSRID(Projected::EPSG_WGS_84_WEST_BENGAL)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: West Bengal NSF TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: India - West Bengal
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(24.375),`
	`  longitudeOfNaturalOrigin: new Degree(87.875),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9998584),`
	`  falseEasting: new Metre(1000000),`
	`  falseNorthing: new Metre(1000000)`
	`)`

WGS 84 / World Equidistant Cylindrical

```
Projected::fromSRID(Projected::EPSG_WGS_84_WORLD_EQUIDISTANT_CYLINDRICAL)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: World Equidistant Cylindrical
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->equidistantCylindrical(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOf1stStandardParallel: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

WGS 84 / World Mercator

```
Projected::fromSRID(Projected::EPSG_WGS_84_WORLD_MERCATOR)
```

to WGS 84 (Geographic2D)

EPSG	PHPCoord

Name: World Mercator
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - between 80°S and 84°N
	`$point->mercatorVariantA(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪WGS_84),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(0),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(0),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 102E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_102E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 102E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_105E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 108E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_108E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 108E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_111E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 114E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_114E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 114E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 117E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_117E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 120E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_120E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 120E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_123E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 126E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_126E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 126E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 129E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_129E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 132E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_132E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 132E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_135E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_75E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 78E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_78E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 78E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_81E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 84E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_84E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 84E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 87E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_87E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 90E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_90E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 90E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_93E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 96E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_96E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger CM 96E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger CM 99E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_CM_99E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 25

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_25)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 25
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 075°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(25500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 26

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_26)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 26
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 078°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(78),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(26500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 27

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_27)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 27
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 081°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(27500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 28

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_28)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 28
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 084°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(84),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(28500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 29

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_29)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 29
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 087°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(29500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 30

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_30)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 30
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 090°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(90),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(30500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 31

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_31)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 31
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 093°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(31500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 32

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_32)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 32
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 096°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(96),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(32500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 33

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_33)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 33
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 099°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(33500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 34

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_34)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 34
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(102),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(34500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 35

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_35)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 35
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 105°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(35500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 36

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_36)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 36
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(108),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(36500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 37

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_37)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 37
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 111°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(37500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 38

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_38)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 38
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(114),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(38500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 39

`Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_39)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 39
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 117°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(39500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 40

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_40)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 40
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(120),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(40500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 41

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_41)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 41
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 123°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(41500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 42

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_42)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 42
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(126),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(42500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 43

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_43)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 43
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 129°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(43500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 44

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_44)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 44
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(132),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(44500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / 3-degree Gauss-Kruger zone 45

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_3_DEGREE_GAUSS_KRUGER_ZONE_45)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 3-degree Gauss-Kruger zone 45
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 3-degree CM 135°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(45500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 105E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_105E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 105E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 111E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_111E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 111E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 117E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_117E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 117E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 123E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_123E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 123E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 129E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_129E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 129E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 135E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_135E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 135E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 75E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_75E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 75E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 81E

`Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_81E)`

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 81E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 87E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_87E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 87E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 93E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_93E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 93E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger CM 99E

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_CM_99E)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: Gauss-Kruger CM 99E
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 13

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_13)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 13
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 72°E to 78°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(75),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(13500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 14

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_14)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 14
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 78°E to 84°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(81),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(14500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 15

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_15)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 15
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 84°E to 90°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(87),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(15500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 16

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_16)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 16
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 90°E to 96°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(93),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(16500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 17

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_17)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 17
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 96°E to 102°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(99),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(17500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 18

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_18)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 18
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 102°E to 108°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(105),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(18500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 19

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_19)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 19
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 108°E to 114°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(111),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(19500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 20

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_20)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 20
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 114°E to 120°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(117),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(20500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 21

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_21)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 21
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 120°E to 126°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(123),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(21500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 22

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_22)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 22
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 126°E to 132°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(129),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(22500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Xian 1980 / Gauss-Kruger zone 23

```
Projected::fromSRID(Projected::EPSG_XIAN_1980_GAUSS_KRUGER_ZONE_23)
```

to Xian 1980 (Geographic2D)

EPSG	PHPCoord

Name: 6-degree Gauss-Kruger zone 23
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 132°E to 138°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_XIAN_1980),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(135),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(23500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yemen NGN96 / UTM zone 37N

`Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_37N)`

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 37N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 36°E to 42°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(39),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yemen NGN96 / UTM zone 38N

`Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_38N)`

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 38N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 42°E to 48°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(45),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yemen NGN96 / UTM zone 39N

`Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_39N)`

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 39N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 48°E to 54°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(51),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yemen NGN96 / UTM zone 40N

`Projected::fromSRID(Projected::EPSG_YEMEN_NGN96_UTM_ZONE_40N)`

to Yemen NGN96 (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 40N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 54°E to 60°E
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YEMEN_NGN96),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Yoff / UTM zone 28N

`Projected::fromSRID(Projected::EPSG_YOFF_UTM_ZONE_28N)`

to Yoff (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 28N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 18°W to 12°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_YOFF),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-15),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Zanderij / Suriname Old TM

`Projected::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_OLD_TM)`

to Zanderij (Geographic2D)

EPSG	PHPCoord

Name: Suriname Old TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ZANDERIJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-55.683333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Zanderij / Suriname TM

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_SURINAME_TM)
```

to Zanderij (Geographic2D)

EPSG	PHPCoord

Name: Suriname TM
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ZANDERIJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-55.683333333333),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9999),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Zanderij / TM 54 NW

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_TM_54_NW)
```

to Zanderij (Geographic2D)

EPSG	PHPCoord

Name: TM 54 NW
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Suriname - offshore
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_ZANDERIJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-54),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

Zanderij / UTM zone 21N

```
Projected::fromSRID(Projected::EPSG_ZANDERIJ_UTM_ZONE_21N)
```

to Zanderij (Geographic2D)

EPSG	PHPCoord

Name: UTM zone 21N
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World - N hemisphere - 60°W to 54°W
	`$point->transverseMercator(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪ZANDERIJ),`
	`  latitudeOfNaturalOrigin: new Degree(0),`
	`  longitudeOfNaturalOrigin: new Degree(-57),`
	`  scaleFactorAtNaturalOrigin: new Unity(0.9996),`
	`  falseEasting: new Metre(500000),`
	`  falseNorthing: new Metre(0)`
	`)`

fk89 / Faroe Lambert FK89

```
Projected::fromSRID(Projected::EPSG_FK89_FAROE_LAMBERT_FK89)
```

to fk89 (Geographic2D)

EPSG	PHPCoord

Name: Faroe Lambert fk89
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Faroe Islands - onshore
	`$point->lambertConicConformalWestOrientated(`
	`  to: Geographic2D::fromSRID(Geographic2D::EPSG_`
	`↪FK89),`
	`  latitudeOfNaturalOrigin: new Degree(62),`
	`  longitudeOfNaturalOrigin: new Degree(-9),`
	`  scaleFactorAtNaturalOrigin: new Unity(1),`
	`  falseEasting: new Metre(700000),`
	`  falseNorthing: new Metre(700000)`
	`)`

1.12.5 Vertical

AIOC95 depth

`Vertical::fromSRID(Vertical::EPSG_AIOC95_DEPTH)`

to AIOC95 height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AIOC95_HEIGHT)`
	`)`

to Baltic 1977 depth (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 depth to AIOC95 depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Azerbaijan - offshore and Sangachal
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_DEPTH),`
	`  verticalOffset: new Metre(26.3)`
	`)`

to Caspian depth (Vertical)

EPSG	PHPCoord

Name: AIOC95 depth to Caspian depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Azerbaijan - offshore and Sangachal
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASPIAN_DEPTH),`
	`  verticalOffset: new Metre(-1.7)`
	`)`

AIOC95 height

`Vertical::fromSRID(Vertical::EPSG_AIOC95_HEIGHT)`

to AIOC95 depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AIOC95_`
	`↪DEPTH)`
	`)`

to Baltic 1977 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to AIOC95 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Azerbaijan - offshore and Sangachal
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  verticalOffset: new Metre(-26.3)`
	`)`

Alicante height

`Vertical::fromSRID(Vertical::EPSG_ALICANTE_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Alicante height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain and Gibraltar - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(40.772222222222),`
	`  ordinate2OfEvaluationPoint: new Degree(-3.6597222222222),`
	`  verticalOffset: new Metre(-0.486),`
	`  inclinationInLatitude: new ArcSecond(-0.003),`
	`  inclinationInLongitude: new ArcSecond(0.006),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Antalya height

`Vertical::fromSRID(Vertical::EPSG_ANTALYA_HEIGHT)`

to EVRF2019 height (Vertical)

EPSG	PHPCoord

Name: Antalya height to EVRF2019 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Turkey - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_HEIGHT),`
	`  verticalOffset: new Metre(-0.394)`
	`)`

to EVRF2019 mean-tide height (Vertical)

EPSG	PHPCoord

Name: Antalya height to EVRF2019 mean-tide height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Turkey - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT),`
	`  verticalOffset: new Metre(-0.448)`
	`)`

Auckland 1946 height

```
Vertical::fromSRID(Vertical::EPSG_AUCKLAND_1946_HEIGHT)
```

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Auckland 1946 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Auckland vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.34)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Auckland 1946 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Auckland vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXAuckland1946NZVD2016Provider->`
	`↪provideGrid()`
	`)`

Baltic 1957 depth

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_DEPTH)
```

to Baltic 1957 height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1957_HEIGHT)`
	`)`

Baltic 1957 height

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT)
```

to Baltic 1957 depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1957_DEPTH)`
	`)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2000 height (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.`
	`↪916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(0.116),`
	`  inclinationInLatitude: new ArcSecond(0.036),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1957 height to EVRF2000 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(48.`
	`↪633333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(19.25),`
	`  verticalOffset: new Metre(0.122),`
	`  inclinationInLatitude: new ArcSecond(0.02),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(0.13),`
	`  inclinationInLatitude: new ArcSecond(0.026),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2019 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2019 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(0.142),`
	`  inclinationInLatitude: new ArcSecond(0.026),`
	`  inclinationInLongitude: new ArcSecond(0.006),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2019 mean-tide height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2019 mean-tide height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(0.13),`
	`  inclinationInLatitude: new ArcSecond(0.036),`
	`  inclinationInLongitude: new ArcSecond(0.006),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Baltic 1977 depth

`Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_DEPTH)`

to AIOC95 depth (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 depth to AIOC95 depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Azerbaijan - offshore and Sangachal
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AIOC95_DEPTH),`
	`  verticalOffset: new Metre(-26.3)`
	`)`

to Baltic 1977 height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_HEIGHT)`
	`)`

to Caspian depth (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 depth to Caspian depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - Caspian Sea
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASPIAN_DEPTH),`
	`  verticalOffset: new Metre(-28)`
	`)`

Baltic 1977 height

`Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_HEIGHT)`

to AIOC95 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to AIOC95 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Azerbaijan - offshore and Sangachal
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AIOC95_HEIGHT),`
	`  verticalOffset: new Metre(26.3)`
	`)`

to Baltic 1977 depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1977_DEPTH)`
	`)`

to Black Sea height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to Black Sea height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Georgia - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BLACK_SEA_HEIGHT),`
	`  verticalOffset: new Metre(0.4)`
	`)`

to Caspian height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to Caspian height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - Caspian Sea
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASPIAN_HEIGHT),`
	`  verticalOffset: new Metre(28)`
	`)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to EVRF2000 height (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.966666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.883333333333),`
	`  verticalOffset: new Metre(0.105),`
	`  inclinationInLatitude: new ArcSecond(0),`
	`  inclinationInLongitude: new ArcSecond(0.004),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(58.7),`
	`  ordinate2OfEvaluationPoint: new Degree(25.866666666667),`
	`  verticalOffset: new Metre(0.133),`
	`  inclinationInLatitude: new ArcSecond(-0.014),`
	`  inclinationInLongitude: new ArcSecond(0.005),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2000 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(55.3),`
	`  ordinate2OfEvaluationPoint: new Degree(24.016666666667),`
	`  verticalOffset: new Metre(0.102),`
	`  inclinationInLatitude: new ArcSecond(0),`
	`  inclinationInLongitude: new ArcSecond(0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to EVRF2007 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(58.7),`
	`  ordinate2OfEvaluationPoint: new Degree(25.866666666667),`
	`  verticalOffset: new Metre(0.195),`
	`  inclinationInLatitude: new ArcSecond(0.009),`
	`  inclinationInLongitude: new ArcSecond(-0.013),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2007 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(55.3),`
	`  ordinate2OfEvaluationPoint: new Degree(24.016666666667),`
	`  verticalOffset: new Metre(0.121),`
	`  inclinationInLatitude: new ArcSecond(0.053),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2007 height (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.966666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.883333333333),`
	`  verticalOffset: new Metre(0.154),`
	`  inclinationInLatitude: new ArcSecond(0.016),`
	`  inclinationInLongitude: new ArcSecond(-0.012),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Baltic 1982 height

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1982_HEIGHT)
```

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1982 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.625),`
	`  ordinate2OfEvaluationPoint: new Degree(25.`
	`↪376666666667),`
	`  verticalOffset: new Metre(0.182),`
	`  inclinationInLatitude: new ArcSecond(0.001),`
	`  inclinationInLongitude: new ArcSecond(-0.004),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1982 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_`
	`↪HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.625),`
	`  ordinate2OfEvaluationPoint: new Degree(25.`
	`↪376666666667),`
	`  verticalOffset: new Metre(0.228),`
	`  inclinationInLatitude: new ArcSecond(-0.009),`
	`  inclinationInLongitude: new ArcSecond(-0.003),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

Baltic 1986 height

```
Vertical::fromSRID(Vertical::EPSG_BALTIC_1986_HEIGHT)
```

to EVRF2007-PL height (Vertical)

EPSG	PHPCoord

Name: Baltic 1986 height to EVRF2007-PL height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_PL_HEIGHT),`
	`  offsetsFile: GUGiKHeightEVRF2007Baltic1986PolandProvider->provideGrid()`
	`)`

Belfast height

```
Vertical::fromSRID(Vertical::EPSG_BELFAST_HEIGHT)
```

to Malin Head height (Vertical)

EPSG	PHPCoord

Name: Belfast height to Malin Head height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MALIN_HEAD_HEIGHT),`
	`  verticalOffset: new Metre(-0.037)`
	`)`

to Poolbeg height (m) (Vertical)

EPSG	PHPCoord

Name: Poolbeg height (m) to Belfast height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_M),`
	`  verticalOffset: new Metre(2.7)`
	`)`

Black Sea depth

`Vertical::fromSRID(Vertical::EPSG_BLACK_SEA_DEPTH)`

to Black Sea height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BLACK_`
	`↪SEA_HEIGHT)`
	`)`

Black Sea height

`Vertical::fromSRID(Vertical::EPSG_BLACK_SEA_HEIGHT)`

to Baltic 1977 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to Black Sea height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Georgia - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  verticalOffset: new Metre(-0.4)`
	`)`

to Black Sea depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BLACK_`
	`↪SEA_DEPTH)`
	`)`

Bluff 1955 height

```
Vertical::fromSRID(Vertical::EPSG_BLUFF_1955_HEIGHT)
```

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Bluff 1955 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Bluff vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.36)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Bluff 1955 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Bluff vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXBluff1955NZVD2016Provider->`
	`↪provideGrid()`
	`)`

CGVD2013a(1997) height

```
Vertical::fromSRID(Vertical::EPSG_CGVD2013A_1997_HEIGHT)
```

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: CGVD28 height to CGVD2013a(1997) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_`
	`↪HEIGHT),`
	`  offsetsFile: BYNCGVD28CGG2013a1997Provider->`
	`↪provideGrid()`
	`)`

CGVD2013a(2002) height

`Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2002_HEIGHT)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: CGVD28 height to CGVD2013a(2002) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_`
	`↪HEIGHT),`
	`  offsetsFile: BYNCGVD28CGG2013a2002Provider->`
	`↪provideGrid()`
	`)`

CGVD2013a(2010) height

`Vertical::fromSRID(Vertical::EPSG_CGVD2013A_2010_HEIGHT)`

to CGVD28 height (Vertical)

EPSG	PHPCoord

Name: CGVD28 height to CGVD2013a(2010) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CGVD28_`
	`↪HEIGHT),`
	`  offsetsFile: BYNCGVD28CGG2013a2010Provider->`
	`↪provideGrid()`
	`)`

CGVD28 height

`Vertical::fromSRID(Vertical::EPSG_CGVD28_HEIGHT)`

to CGVD2013a(1997) height (Vertical)

EPSG	PHPCoord

Name: CGVD28 height to CGVD2013a(1997) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪CGVD2013A_1997_HEIGHT),`
	`  offsetsFile: BYNCGVD28CGG2013a1997Provider->`
	`↪provideGrid()`
	`)`

to CGVD2013a(2002) height (Vertical)

EPSG	PHPCoord

Name: CGVD28 height to CGVD2013a(2002) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪CGVD2013A_2002_HEIGHT),`
	`  offsetsFile: BYNCGVD28CGG2013a2002Provider->`
	`↪provideGrid()`
	`)`

to CGVD2013a(2010) height (Vertical)

EPSG	PHPCoord

Name: CGVD28 height to CGVD2013a(2010) height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada - CGVD28
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪CGVD2013A_2010_HEIGHT),`
	`  offsetsFile: BYNCGVD28CGG2013a2010Provider->`
	`↪provideGrid()`
	`)`

Cais da Figueirinha depth

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_FIGUEIRINHA_DEPTH)
```

to Cais da Figueirinha height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪FIGUEIRINHA_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cais da Figueirinha depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Terceira - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Cais da Figueirinha height

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_FIGUEIRINHA_HEIGHT)
```

to Cais da Figueirinha depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪FIGUEIRINHA_DEPTH)`
	`)`

Cais da Madalena depth

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_MADALENA_DEPTH)
```

to Cais da Madalena height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪MADALENA_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cais da Madalena depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Pico nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Cais da Madalena height

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_MADALENA_HEIGHT)
```

to Cais da Madalena depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪MADALENA_DEPTH)`
	`)`

Cais da Pontinha depth

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_PONTINHA_DEPTH)
```

to Cais da Pontinha height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪PONTINHA_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cais da Pontinha depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira and Desertas islands - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1.4)`
	`)`

Cais da Pontinha height

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_PONTINHA_HEIGHT)
```

to Cais da Pontinha depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪PONTINHA_DEPTH)`
	`)`

Cais da Vila depth

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DEPTH)
```

to Cais da Vila height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪VILA_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cais da Vila depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Porto Santo island - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1.4)`
	`)`

Cais da Vila do Porto depth

```
Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_DEPTH)
```

to Cais da Vila do Porto height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪VILA_DO_PORTO_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cais da Vila do Porto depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - Santa Maria and Formigas - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Cais da Vila do Porto height

`Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_HEIGHT)`

to Cais da Vila do Porto depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DO_PORTO_DEPTH)`
	`)`

Cais da Vila height

`Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_HEIGHT)`

to Cais da Vila depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_VILA_DEPTH)`
	`)`

Cais das Velas depth

`Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_VELAS_DEPTH)`

to Cais das Velas height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_`
	`↪VELAS_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cais das Velas depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - S Jorge - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Cais das Velas height

`Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_VELAS_HEIGHT)`

to Cais das Velas depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_`
	`↪VELAS_DEPTH)`
	`)`

Cascais depth

`Vertical::fromSRID(Vertical::EPSG_CASCAIS_DEPTH)`

to Cascais height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASCAIS_`
	`↪HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Cascais depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-2)`
	`)`

Name: Cascais depth to ZH Portugal depth (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - nearshore - Tagus estuary
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-2.08)`
	`)`

Cascais height

`Vertical::fromSRID(Vertical::EPSG_CASCAIS_HEIGHT)`

to Cascais depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASCAIS_`
	`↪DEPTH)`
	`)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Cascais height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.315)`
	`)`

Caspian depth

`Vertical::fromSRID(Vertical::EPSG_CASPIAN_DEPTH)`

to AIOC95 depth (Vertical)

EPSG	PHPCoord

Name: AIOC95 depth to Caspian depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Azerbaijan - offshore and Sangachal
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AIOC95_`
	`↪DEPTH),`
	`  verticalOffset: new Metre(1.7)`
	`)`

to Baltic 1977 depth (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 depth to Caspian depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - Caspian Sea
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_DEPTH),`
	`  verticalOffset: new Metre(28)`
	`)`

to Caspian height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASPIAN_`
	`↪HEIGHT)`
	`)`

Caspian height

`Vertical::fromSRID(Vertical::EPSG_CASPIAN_HEIGHT)`

to Baltic 1977 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to Caspian height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Asia - FSU - Caspian Sea
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  verticalOffset: new Metre(-28)`
	`)`

to Caspian depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASPIAN_`
	`↪DEPTH)`
	`)`

Catania 1965 height

`Vertical::fromSRID(Vertical::EPSG_CATANIA_1965_HEIGHT)`

to Genoa 1942 height (Vertical)

EPSG	PHPCoord

Name: Genoa 1942 height to Catania 1965 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GENOA_`
	`↪1942_HEIGHT),`
	`  verticalOffset: new Metre(-0.141)`
	`)`

Constanta height

`Vertical::fromSRID(Vertical::EPSG_CONSTANTA_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Constanta height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.016666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.816666666667),`
	`  verticalOffset: new Metre(0.028),`
	`  inclinationInLatitude: new ArcSecond(0.002),`
	`  inclinationInLongitude: new ArcSecond(0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Constanta height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.016666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.816666666667),`
	`  verticalOffset: new Metre(0.062),`
	`  inclinationInLatitude: new ArcSecond(-0.005),`
	`  inclinationInLongitude: new ArcSecond(0.008),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

DHHN2016 height

`Vertical::fromSRID(Vertical::EPSG_DHHN2016_HEIGHT)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: DHHN2016 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(10.216666666667),`
	`  verticalOffset: new Metre(0.014),`
	`  inclinationInLatitude: new ArcSecond(-0.01),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

DHHN85 height

`Vertical::fromSRID(Vertical::EPSG_DHHN85_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: DHHN85 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany all states
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(8.6666666666667),`
	`  verticalOffset: new Metre(0.017),`
	`  inclinationInLatitude: new ArcSecond(-0.002),`
	`  inclinationInLongitude: new ArcSecond(0.003),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: DHHN85 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany all states
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(8.6666666666667),`
	`  verticalOffset: new Metre(0.017),`
	`  inclinationInLatitude: new ArcSecond(-0.011),`
	`  inclinationInLongitude: new ArcSecond(0.005),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

DHHN92 height

`Vertical::fromSRID(Vertical::EPSG_DHHN92_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: DHHN92 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(10.216666666667),`
	`  verticalOffset: new Metre(0.014),`
	`  inclinationInLatitude: new ArcSecond(-0.001),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: DHHN92 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(10.216666666667),`
	`  verticalOffset: new Metre(0.015),`
	`  inclinationInLatitude: new ArcSecond(-0.01),`
	`  inclinationInLongitude: new ArcSecond(0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

DNN height

`Vertical::fromSRID(Vertical::EPSG_DNN_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: DNN height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.033333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(9.2333333333333),`
	`  verticalOffset: new Metre(0.011),`
	`  inclinationInLatitude: new ArcSecond(0.003),`
	`  inclinationInLongitude: new ArcSecond(0.011),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Dunedin 1958 height

```
Vertical::fromSRID(Vertical::EPSG_DUNEDIN_1958_HEIGHT)
```

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Dunedin 1958 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.49)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Dunedin 1958 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXDunedin1958NZVD2016Provider->`
	`↪provideGrid()`
	`)`

Dunedin-Bluff 1960 height

```
Vertical::fromSRID(Vertical::EPSG_DUNEDIN_BLUFF_1960_HEIGHT)
```

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Dunedin-Bluff 1960 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin-Bluff vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.38)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Dunedin-Bluff 1960 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin-Bluff vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile:␣`
	`↪GTXDunedinBluff1960NZVD2016Provider->`
	`↪provideGrid()`
	`)`

EGM2008 height

`Vertical::fromSRID(Vertical::EPSG_EGM2008_HEIGHT)`

to Kiunga height (Vertical)

EPSG	PHPCoord

Name: EGM2008 height to Kiunga height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - onshore south of 5°S and west of 144°E
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KIUNGA_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-3)`
	`)`

to POM08 height (Vertical)

EPSG	PHPCoord

Name: EGM2008 height to POM08 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - onshore - Central province and Gulf province east of 144°E
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_POM08_HEIGHT),`
	`  verticalOffset: new Metre(-0.93)`
	`)`

EGM96 height

`Vertical::fromSRID(Vertical::EPSG_EGM96_HEIGHT)`

to Kumul 34 height (Vertical)

EPSG	PHPCoord

Name: EGM96 height to Kumul 34 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - PFTB
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KUMUL_34_HEIGHT),`
	`  verticalOffset: new Metre(-0.87)`
	`)`

to POM96 height (Vertical)

EPSG	PHPCoord

Name: EGM96 height to POM96 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - onshore - Central province and Gulf province east of 144°E
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_POM96_HEIGHT),`
	`  verticalOffset: new Metre(-1.58)`
	`)`

EOMA 1980 height

`Vertical::fromSRID(Vertical::EPSG_EOMA_1980_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: EOMA 1980 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.983333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(19.583333333333),`
	`  verticalOffset: new Metre(0.14),`
	`  inclinationInLatitude: new ArcSecond(0.008),`
	`  inclinationInLongitude: new ArcSecond(-0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

EVRF2000 Austria height

`Vertical::fromSRID(Vertical::EPSG_EVRF2000_AUSTRIA_HEIGHT)`

to GHA height (Vertical)

EPSG	PHPCoord

Name: GHA height to EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GHA_HEIGHT),`
	`  offsetsFile: BEVHeightGHAEVRF2000AustriaProvider->provideGrid()`
	`)`

EVRF2000 height

```
Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT)
```

to Alicante height (Vertical)

EPSG	PHPCoord

Name: Alicante height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain and Gibraltar - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ALICANTE_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(40.772222222222),`
	`  ordinate2OfEvaluationPoint: new Degree(-3.6597222222222),`
	`  verticalOffset: new Metre(0.486),`
	`  inclinationInLatitude: new ArcSecond(0.003),`
	`  inclinationInLongitude: new ArcSecond(-0.006),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Baltic 1957 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2000 height (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(-0.116),`
	`  inclinationInLatitude: new ArcSecond(-0.036),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1957 height to EVRF2000 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(48.633333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(19.25),`
	`  verticalOffset: new Metre(-0.122),`
	`  inclinationInLatitude: new ArcSecond(-0.02),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Baltic 1977 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to EVRF2000 height (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.`
	`↪966666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.`
	`↪883333333333),`
	`  verticalOffset: new Metre(-0.105),`
	`  inclinationInLatitude: new ArcSecond(-0),`
	`  inclinationInLongitude: new ArcSecond(-0.004),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(58.7),`
	`  ordinate2OfEvaluationPoint: new Degree(25.`
	`↪866666666667),`
	`  verticalOffset: new Metre(-0.133),`
	`  inclinationInLatitude: new ArcSecond(0.014),`
	`  inclinationInLongitude: new ArcSecond(-0.005),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2000 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(55.3),`
	`  ordinate2OfEvaluationPoint: new Degree(24.`
	`↪016666666667),`
	`  verticalOffset: new Metre(-0.102),`
	`  inclinationInLatitude: new ArcSecond(-0),`
	`  inclinationInLongitude: new ArcSecond(-0.002),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Baltic 1982 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1982 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1982_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.625),`
	`  ordinate2OfEvaluationPoint: new Degree(25.`
	`↪376666666667),`
	`  verticalOffset: new Metre(-0.182),`
	`  inclinationInLatitude: new ArcSecond(-0.001),`
	`  inclinationInLongitude: new ArcSecond(0.004),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Cascais height (Vertical)

EPSG	PHPCoord

Name: Cascais height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASCAIS_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(0.315)`
	`)`

to Constanta height (Vertical)

EPSG	PHPCoord

Name: Constanta height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CONSTANTA_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.016666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.816666666667),`
	`  verticalOffset: new Metre(-0.028),`
	`  inclinationInLatitude: new ArcSecond(-0.002),`
	`  inclinationInLongitude: new ArcSecond(-0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to DHHN85 height (Vertical)

EPSG	PHPCoord

Name: DHHN85 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany all states
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DHHN85_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(8.6666666666667),`
	`  verticalOffset: new Metre(-0.017),`
	`  inclinationInLatitude: new ArcSecond(0.002),`
	`  inclinationInLongitude: new ArcSecond(-0.003),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to DHHN92 height (Vertical)

EPSG	PHPCoord

Name: DHHN92 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DHHN92_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(10.216666666667),`
	`  verticalOffset: new Metre(-0.014),`
	`  inclinationInLatitude: new ArcSecond(0.001),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to DNN height (Vertical)

EPSG	PHPCoord

Name: DNN height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Denmark - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DNN_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.033333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(9.2333333333333),`
	`  verticalOffset: new Metre(-0.011),`
	`  inclinationInLatitude: new ArcSecond(-0.003),`
	`  inclinationInLongitude: new ArcSecond(-0.011),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EOMA 1980 height (Vertical)

EPSG	PHPCoord

Name: EOMA 1980 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Hungary
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EOMA_1980_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.983333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(19.583333333333),`
	`  verticalOffset: new Metre(-0.14),`
	`  inclinationInLatitude: new ArcSecond(-0.008),`
	`  inclinationInLongitude: new ArcSecond(0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to GHA height (Vertical)

EPSG	PHPCoord

Name: GHA height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GHA_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(47.533333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(14.45),`
	`  verticalOffset: new Metre(0.356),`
	`  inclinationInLatitude: new ArcSecond(0.057),`
	`  inclinationInLongitude: new ArcSecond(0.058),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Genoa 1942 height (Vertical)

EPSG	PHPCoord

Name: Genoa 1942 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - mainland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.583333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(12.966666666667),`
	`  verticalOffset: new Metre(0.309),`
	`  inclinationInLatitude: new ArcSecond(0.03),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Genoa 1942 height to EVRF2000 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(37.5),`
	`  ordinate2OfEvaluationPoint: new Degree(14.3),`
	`  verticalOffset: new Metre(0.402),`
	`  inclinationInLatitude: new ArcSecond(0.079),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to HVRS71 height (Vertical)

EPSG	PHPCoord

Name: HVRS71 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HVRS71_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(45.35),`
	`  ordinate2OfEvaluationPoint: new Degree(16.366666666667),`
	`  verticalOffset: new Metre(0.343),`
	`  inclinationInLatitude: new ArcSecond(0.007),`
	`  inclinationInLongitude: new ArcSecond(0.016),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to LN02 height (Vertical)

EPSG	PHPCoord

Name: LN02 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LN02_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(8.1833333333333),`
	`  verticalOffset: new Metre(0.245),`
	`  inclinationInLatitude: new ArcSecond(0.21),`
	`  inclinationInLongitude: new ArcSecond(0.032),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to N60 height (Vertical)

EPSG	PHPCoord

Name: N60 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_N60_HEIGHT),`
	`  verticalOffset: new Metre(-0.213)`
	`)`

to NAP height (Vertical)

EPSG	PHPCoord

Name: NAP height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAP_HEIGHT),`
	`  verticalOffset: new Metre(0.005)`
	`)`

to NGF-IGN69 height (Vertical)

EPSG	PHPCoord

Name: NGF-IGN69 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGF_IGN69_HEIGHT),`
	`  verticalOffset: new Metre(0.486)`
	`)`

to NN54 height (Vertical)

EPSG	PHPCoord

Name: NN54 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NN54_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(62.933333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(11.166666666667),`
	`  verticalOffset: new Metre(0.001),`
	`  inclinationInLatitude: new ArcSecond(0.01),`
	`  inclinationInLongitude: new ArcSecond(-0.034),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to ODN height (Vertical)

EPSG	PHPCoord

Name: ODN height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ODN_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(54.583333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(-2.25),`
	`  verticalOffset: new Metre(-0.07),`
	`  inclinationInLatitude: new ArcSecond(-0.044),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Ostend height (Vertical)

EPSG	PHPCoord

Name: Ostend height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_OSTEND_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(50.716666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(4.7666666666667),`
	`  verticalOffset: new Metre(2.311),`
	`  inclinationInLatitude: new ArcSecond(0.016),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to RH70 height (Vertical)

EPSG	PHPCoord

Name: RH70 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_RH70_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(64),`
	`  ordinate2OfEvaluationPoint: new Degree(16.233333333333),`
	`  verticalOffset: new Metre(-0.005),`
	`  inclinationInLatitude: new ArcSecond(0.012),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to SNN76 height (Vertical)

EPSG	PHPCoord

Name: SNN76 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - East Germany all states
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SNN76_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(52.533333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(13.166666666667),`
	`  verticalOffset: new Metre(-0.157),`
	`  inclinationInLatitude: new ArcSecond(-0.007),`
	`  inclinationInLongitude: new ArcSecond(-0.005),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to SVS2000 height (Vertical)

EPSG	PHPCoord

Name: SVS2000 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SVS2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46),`
	`  ordinate2OfEvaluationPoint: new Degree(15),`
	`  verticalOffset: new Metre(0.411),`
	`  inclinationInLatitude: new ArcSecond(0.033),`
	`  inclinationInLongitude: new ArcSecond(-0.008),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

EVRF2007 height

`Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT)`

to Baltic 1957 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(-0.13),`
	`  inclinationInLatitude: new ArcSecond(-0.026),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Baltic 1977 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1977 height to EVRF2007 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Estonia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(58.7),`
	`  ordinate2OfEvaluationPoint: new Degree(25.`
	`↪866666666667),`
	`  verticalOffset: new Metre(-0.195),`
	`  inclinationInLatitude: new ArcSecond(-0.009),`
	`  inclinationInLongitude: new ArcSecond(0.013),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2007 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Lithuania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(55.3),`
	`  ordinate2OfEvaluationPoint: new Degree(24.`
	`↪016666666667),`
	`  verticalOffset: new Metre(-0.121),`
	`  inclinationInLatitude: new ArcSecond(-0.053),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Baltic 1977 height to EVRF2007 height (4)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1977_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.`
	`↪966666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.`
	`↪883333333333),`
	`  verticalOffset: new Metre(-0.154),`
	`  inclinationInLatitude: new ArcSecond(-0.016),`
	`  inclinationInLongitude: new ArcSecond(0.012),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Baltic 1982 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1982 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Bulgaria - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1982_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.625),`
	`  ordinate2OfEvaluationPoint: new Degree(25.`
	`↪376666666667),`
	`  verticalOffset: new Metre(-0.228),`
	`  inclinationInLatitude: new ArcSecond(0.009),`
	`  inclinationInLongitude: new ArcSecond(0.003),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Constanta height (Vertical)

EPSG	PHPCoord

Name: Constanta height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Romania - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪CONSTANTA_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.`
	`↪016666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.`
	`↪816666666667),`
	`  verticalOffset: new Metre(-0.062),`
	`  inclinationInLatitude: new ArcSecond(0.005),`
	`  inclinationInLongitude: new ArcSecond(-0.008),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

to DHHN2016 height (Vertical)

EPSG	PHPCoord

Name: DHHN2016 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DHHN2016_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(10.216666666667),`
	`  verticalOffset: new Metre(-0.014),`
	`  inclinationInLatitude: new ArcSecond(0.01),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to DHHN85 height (Vertical)

EPSG	PHPCoord

Name: DHHN85 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - West Germany all states
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DHHN85_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(8.6666666666667),`
	`  verticalOffset: new Metre(-0.017),`
	`  inclinationInLatitude: new ArcSecond(0.011),`
	`  inclinationInLongitude: new ArcSecond(-0.005),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to DHHN92 height (Vertical)

EPSG	PHPCoord

Name: DHHN92 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DHHN92_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(51.05),`
	`  ordinate2OfEvaluationPoint: new Degree(10.216666666667),`
	`  verticalOffset: new Metre(-0.015),`
	`  inclinationInLatitude: new ArcSecond(0.01),`
	`  inclinationInLongitude: new ArcSecond(-0.002),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to GHA height (Vertical)

EPSG	PHPCoord

Name: GHA height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GHA_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(47.533333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(14.45),`
	`  verticalOffset: new Metre(0.335),`
	`  inclinationInLatitude: new ArcSecond(0.065),`
	`  inclinationInLongitude: new ArcSecond(0.06),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Genoa 1942 height (Vertical)

EPSG	PHPCoord

Name: Genoa 1942 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - mainland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.583333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(12.966666666667),`
	`  verticalOffset: new Metre(0.259),`
	`  inclinationInLatitude: new ArcSecond(0.036),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Genoa 1942 height to EVRF2007 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(37.5),`
	`  ordinate2OfEvaluationPoint: new Degree(14.3),`
	`  verticalOffset: new Metre(0.333),`
	`  inclinationInLatitude: new ArcSecond(0.051),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to HVRS71 height (Vertical)

EPSG	PHPCoord

Name: HVRS71 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HVRS71_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(45.35),`
	`  ordinate2OfEvaluationPoint: new Degree(16.366666666667),`
	`  verticalOffset: new Metre(0.313),`
	`  inclinationInLatitude: new ArcSecond(0.016),`
	`  inclinationInLongitude: new ArcSecond(0.018),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to LN02 height (Vertical)

EPSG	PHPCoord

Name: LN02 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LN02_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(8.1833333333333),`
	`  verticalOffset: new Metre(0.225),`
	`  inclinationInLatitude: new ArcSecond(0.221),`
	`  inclinationInLongitude: new ArcSecond(0.033),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Latvia 2000 height (Vertical)

EPSG	PHPCoord

Name: Latvia 2000 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_LATVIA_2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.966666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.883333333333),`
	`  verticalOffset: new Metre(-0.003),`
	`  inclinationInLatitude: new ArcSecond(-0),`
	`  inclinationInLongitude: new ArcSecond(-0.0074),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Ostend height (Vertical)

EPSG	PHPCoord

Name: Ostend height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_OSTEND_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(50.716666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(4.7666666666667),`
	`  verticalOffset: new Metre(2.317),`
	`  inclinationInLatitude: new ArcSecond(0.031),`
	`  inclinationInLongitude: new ArcSecond(-0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to RH2000 height (Vertical)

EPSG	PHPCoord

Name: RH2000 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_RH2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(61.9),`
	`  ordinate2OfEvaluationPoint: new Degree(15.8),`
	`  verticalOffset: new Metre(0.008),`
	`  inclinationInLatitude: new ArcSecond(0.0006),`
	`  inclinationInLongitude: new ArcSecond(0.0003),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

EVRF2007-PL height

`Vertical::fromSRID(Vertical::EPSG_EVRF2007_PL_HEIGHT)`

to Baltic 1986 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1986 height to EVRF2007-PL height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_`
	`↪1986_HEIGHT),`
	`  offsetsFile:␣`
	`↪GUGiKHeightEVRF2007Baltic1986PolandProvider->`
	`↪provideGrid()`
	`)`

EVRF2019 height

`Vertical::fromSRID(Vertical::EPSG_EVRF2019_HEIGHT)`

to Antalya height (Vertical)

EPSG	PHPCoord

Name: Antalya height to EVRF2019 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Turkey - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ANTALYA_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(0.394)`
	`)`

to Baltic 1957 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2019 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(-0.142),`
	`  inclinationInLatitude: new ArcSecond(-0.026),`
	`  inclinationInLongitude: new ArcSecond(-0.006),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2019 mean-tide height (Vertical)

EPSG	PHPCoord

Name: EVRF2019 height to EVRF2019 mean-tide height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - EVRF2019
	`$point->zeroTideHeightToMeanTideHeightEVRF2019(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT)`
	`)`

EVRF2019 mean-tide height

`Vertical::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT)`

to Antalya height (Vertical)

EPSG	PHPCoord

Name: Antalya height to EVRF2019 mean-tide height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Turkey - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ANTALYA_HEIGHT),`
	`  verticalOffset: new Metre(0.448)`
	`)`

to Baltic 1957 height (Vertical)

EPSG	PHPCoord

Name: Baltic 1957 height to EVRF2019 mean-tide height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BALTIC_1957_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(49.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(15.25),`
	`  verticalOffset: new Metre(-0.13),`
	`  inclinationInLatitude: new ArcSecond(-0.036),`
	`  inclinationInLongitude: new ArcSecond(-0.006),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2019 height (Vertical)

EPSG	PHPCoord

Name: EVRF2019 height to EVRF2019 mean-tide height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - EVRF2019
	`$point->zeroTideHeightToMeanTideHeightEVRF2019(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_HEIGHT)`
	`)`

to ODN height (Vertical)

EPSG	PHPCoord

Name: ODN height to EVRF2019 mean-tide height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ODN_HEIGHT),`
	`  verticalOffset: new Metre(0.17)`
	`)`

GHA height

```
Vertical::fromSRID(Vertical::EPSG_GHA_HEIGHT)
```

to EVRF2000 Austria height (Vertical)

EPSG	PHPCoord

Name: GHA height to EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_AUSTRIA_HEIGHT),`
	`  offsetsFile: BEVHeightGHAEVRF2000AustriaProvider->provideGrid()`
	`)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: GHA height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(47.533333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(14.45),`
	`  verticalOffset: new Metre(-0.356),`
	`  inclinationInLatitude: new ArcSecond(-0.057),`
	`  inclinationInLongitude: new ArcSecond(-0.058),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: GHA height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(47.533333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(14.45),`
	`  verticalOffset: new Metre(-0.335),`
	`  inclinationInLatitude: new ArcSecond(-0.065),`
	`  inclinationInLongitude: new ArcSecond(-0.06),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to Vienna height (Vertical)

EPSG	PHPCoord

Name: Vienna height to GHA height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - Vienna
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_VIENNA_HEIGHT),`
	`  verticalOffset: new Metre(-156.68)`
	`)`

Genoa 1942 height

`Vertical::fromSRID(Vertical::EPSG_GENOA_1942_HEIGHT)`

to Catania 1965 height (Vertical)

EPSG	PHPCoord

Name: Genoa 1942 height to Catania 1965 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CATANIA_1965_HEIGHT),`
	`  verticalOffset: new Metre(0.141)`
	`)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Genoa 1942 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - mainland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.583333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(12.966666666667),`
	`  verticalOffset: new Metre(-0.309),`
	`  inclinationInLatitude: new ArcSecond(-0.03),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Genoa 1942 height to EVRF2000 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(37.5),`
	`  ordinate2OfEvaluationPoint: new Degree(14.3),`
	`  verticalOffset: new Metre(-0.402),`
	`  inclinationInLatitude: new ArcSecond(-0.079),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Genoa 1942 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - mainland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(42.583333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(12.966666666667),`
	`  verticalOffset: new Metre(-0.259),`
	`  inclinationInLatitude: new ArcSecond(-0.036),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Name: Genoa 1942 height to EVRF2007 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Italy - Sicily onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(37.5),`
	`  ordinate2OfEvaluationPoint: new Degree(14.3),`
	`  verticalOffset: new Metre(-0.333),`
	`  inclinationInLatitude: new ArcSecond(-0.051),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Gisborne 1926 height

`Vertical::fromSRID(Vertical::EPSG_GISBORNE_1926_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Gisborne 1926 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Gisborne vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT),`
	`  verticalOffset: new Metre(-0.34)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Gisborne 1926 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Gisborne vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXGisborne1926NZVD2016Provider->`
	`↪provideGrid()`
	`)`

HKCD depth

`Vertical::fromSRID(Vertical::EPSG_HKCD_DEPTH)`

to HKPD depth (Vertical)

EPSG	PHPCoord

Name: HKPD depth to HKCD depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong - offshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HKPD_`
	`↪DEPTH),`
	`  verticalOffset: new Metre(0.146)`
	`)`

HKPD depth

`Vertical::fromSRID(Vertical::EPSG_HKPD_DEPTH)`

to HKCD depth (Vertical)

EPSG	PHPCoord

Name: HKPD depth to HKCD depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: China - Hong Kong - offshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HKCD_`
	`↪DEPTH),`
	`  verticalOffset: new Metre(-0.146)`
	`)`

to HKPD height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HKPD_`
	`↪HEIGHT)`
	`)`

HKPD height

`Vertical::fromSRID(Vertical::EPSG_HKPD_HEIGHT)`

to HKPD depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HKPD_`
	`↪DEPTH)`
	`)`

HVRS71 height

`Vertical::fromSRID(Vertical::EPSG_HVRS71_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: HVRS71 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(45.35),`
	`  ordinate2OfEvaluationPoint: new Degree(16.366666666667),`
	`  verticalOffset: new Metre(-0.343),`
	`  inclinationInLatitude: new ArcSecond(-0.007),`
	`  inclinationInLongitude: new ArcSecond(-0.016),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: HVRS71 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Croatia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(45.35),`
	`  ordinate2OfEvaluationPoint: new Degree(16.366666666667),`
	`  verticalOffset: new Metre(-0.313),`
	`  inclinationInLatitude: new ArcSecond(-0.016),`
	`  inclinationInLongitude: new ArcSecond(-0.018),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Horta depth

`Vertical::fromSRID(Vertical::EPSG_HORTA_DEPTH)`

to Horta height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HORTA_`
	`↪HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Horta depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Faial - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Horta height

`Vertical::fromSRID(Vertical::EPSG_HORTA_HEIGHT)`

to Horta depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HORTA_`
	`↪DEPTH)`
	`)`

Instantaneous Water Level depth

`Vertical::fromSRID(Vertical::EPSG_INSTANTANEOUS_WATER_LEVEL_DEPTH)`

to Instantaneous Water Level height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪INSTANTANEOUS_WATER_LEVEL_HEIGHT)`
	`)`

Instantaneous Water Level height

`Vertical::fromSRID(Vertical::EPSG_INSTANTANEOUS_WATER_LEVEL_HEIGHT)`

to Instantaneous Water Level depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪INSTANTANEOUS_WATER_LEVEL_DEPTH)`
	`)`

JGD2000 (vertical) height

`Vertical::fromSRID(Vertical::EPSG_JGD2000_VERTICAL_HEIGHT)`

to JGD2011 (vertical) height (Vertical)

EPSG	PHPCoord

Name: JGD2000 (vertical) height to JGD2011 (vertical) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore mainland excluding eastern main province
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_JGD2011_`
	`↪VERTICAL_HEIGHT),`
	`  verticalOffset: new Metre(0)`
	`)`

JGD2011 (vertical) height

`Vertical::fromSRID(Vertical::EPSG_JGD2011_VERTICAL_HEIGHT)`

to JGD2000 (vertical) height (Vertical)

EPSG	PHPCoord

Name: JGD2000 (vertical) height to JGD2011 (vertical) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore mainland excluding eastern main province
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_JGD2000_`
	`↪VERTICAL_HEIGHT),`
	`  verticalOffset: new Metre(-0)`
	`)`

KOC CD height

`Vertical::fromSRID(Vertical::EPSG_KOC_CD_HEIGHT)`

to KOC WD height (Vertical)

EPSG	PHPCoord

Name: KOC CD height to KOC WD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_WD_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-4.74)`
	`)`

to Kuwait PWD height (Vertical)

EPSG	PHPCoord

Name: KOC CD height to Kuwait PWD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KUWAIT_PWD_HEIGHT),`
	`  verticalOffset: new Metre(-0.49)`
	`)`

KOC WD depth

`Vertical::fromSRID(Vertical::EPSG_KOC_WD_DEPTH)`

to KOC WD depth (ft) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_WD_DEPTH_FT)`
	`)`

to KOC WD height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_WD_HEIGHT)`
	`)`

KOC WD depth (ft)

`Vertical::fromSRID(Vertical::EPSG_KOC_WD_DEPTH_FT)`

to KOC WD depth (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_WD_`
	`↪DEPTH)`
	`)`

KOC WD height

`Vertical::fromSRID(Vertical::EPSG_KOC_WD_HEIGHT)`

to KOC CD height (Vertical)

EPSG	PHPCoord

Name: KOC CD height to KOC WD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_CD_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(4.74)`
	`)`

to KOC WD depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_WD_`
	`↪DEPTH)`
	`)`

to Kuwait PWD height (Vertical)

EPSG	PHPCoord

Name: Kuwait PWD height to KOC WD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KUWAIT_PWD_HEIGHT),`
	`  verticalOffset: new Metre(4.25)`
	`)`

Kiunga height

`Vertical::fromSRID(Vertical::EPSG_KIUNGA_HEIGHT)`

to EGM2008 height (Vertical)

EPSG	PHPCoord

Name: EGM2008 height to Kiunga height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - onshore south of 5°S and west of 144°E
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EGM2008_HEIGHT),`
	`  verticalOffset: new Metre(3)`
	`)`

Kumul 34 height

`Vertical::fromSRID(Vertical::EPSG_KUMUL_34_HEIGHT)`

to EGM96 height (Vertical)

EPSG	PHPCoord

Name: EGM96 height to Kumul 34 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - PFTB
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EGM96_HEIGHT),`
	`  verticalOffset: new Metre(0.87)`
	`)`

Kuwait PWD height

```
Vertical::fromSRID(Vertical::EPSG_KUWAIT_PWD_HEIGHT)
```

to KOC CD height (Vertical)

EPSG	PHPCoord

Name: KOC CD height to Kuwait PWD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_CD_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(0.49)`
	`)`

to KOC WD height (Vertical)

EPSG	PHPCoord

Name: Kuwait PWD height to KOC WD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Kuwait - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_KOC_WD_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-4.25)`
	`)`

LN02 height

```
Vertical::fromSRID(Vertical::EPSG_LN02_HEIGHT)
```

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: LN02 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(8.1833333333333),`
	`  verticalOffset: new Metre(-0.245),`
	`  inclinationInLatitude: new ArcSecond(-0.21),`
	`  inclinationInLongitude: new ArcSecond(-0.032),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: LN02 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Liechtenstein and Switzerland
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46.916666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(8.1833333333333),`
	`  verticalOffset: new Metre(-0.225),`
	`  inclinationInLatitude: new ArcSecond(-0.221),`
	`  inclinationInLongitude: new ArcSecond(-0.033),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Latvia 2000 height

`Vertical::fromSRID(Vertical::EPSG_LATVIA_2000_HEIGHT)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Latvia 2000 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Latvia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(56.966666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(24.883333333333),`
	`  verticalOffset: new Metre(0.003),`
	`  inclinationInLatitude: new ArcSecond(0),`
	`  inclinationInLongitude: new ArcSecond(0.0074),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Lyttelton 1937 height

`Vertical::fromSRID(Vertical::EPSG_LYTTELTON_1937_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Lyttelton 1937 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lyttleton vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT),`
	`  verticalOffset: new Metre(-0.47)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Lyttelton 1937 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lyttleton vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXLyttelton1937NZVD2016Provider->`
	`↪provideGrid()`
	`)`

MSL depth

`Vertical::fromSRID(Vertical::EPSG_MSL_DEPTH)`

to MSL depth (ft) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪DEPTH_FT)`
	`)`

to MSL depth (ftUS) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪DEPTH_FTUS)`
	`)`

to MSL height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪HEIGHT)`
	`)`

MSL depth (ft)

`Vertical::fromSRID(Vertical::EPSG_MSL_DEPTH_FT)`

to MSL depth (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪DEPTH)`
	`)`

MSL depth (ftUS)

`Vertical::fromSRID(Vertical::EPSG_MSL_DEPTH_FTUS)`

to MSL depth (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪DEPTH)`
	`)`

MSL height

`Vertical::fromSRID(Vertical::EPSG_MSL_HEIGHT)`

to MSL depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪DEPTH)`
	`)`

to MSL height (ft) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪HEIGHT_FT)`
	`)`

to MSL height (ftUS) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪HEIGHT_FTUS)`
	`)`

MSL height (ft)

`Vertical::fromSRID(Vertical::EPSG_MSL_HEIGHT_FT)`

to MSL height (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪HEIGHT)`
	`)`

MSL height (ftUS)

`Vertical::fromSRID(Vertical::EPSG_MSL_HEIGHT_FTUS)`

to MSL height (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MSL_`
	`↪HEIGHT)`
	`)`

Malin Head height

`Vertical::fromSRID(Vertical::EPSG_MALIN_HEAD_HEIGHT)`

to Belfast height (Vertical)

EPSG	PHPCoord

Name: Belfast height to Malin Head height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BELFAST_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(0.037)`
	`)`

to Poolbeg height (m) (Vertical)

EPSG	PHPCoord

Name: Poolbeg height (m) to Malin Head height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_POOLBEG_`
	`↪HEIGHT_M),`
	`  verticalOffset: new Metre(2.7)`
	`)`

Moturiki 1953 height

`Vertical::fromSRID(Vertical::EPSG_MOTURIKI_1953_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Moturiki 1953 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Moturiki vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.24)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Moturiki 1953 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Moturiki vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXMoturiki1953NZVD2016Provider->`
	`↪provideGrid()`
	`)`

N60 height

```
Vertical::fromSRID(Vertical::EPSG_N60_HEIGHT)
```

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: N60 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Finland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(0.213)`
	`)`

NAP height

```
Vertical::fromSRID(Vertical::EPSG_NAP_HEIGHT)
```

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: NAP height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.005)`
	`)`

NAVD88 depth

```
Vertical::fromSRID(Vertical::EPSG_NAVD88_DEPTH)
```

to NAVD88 height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT)`
	`)`

NAVD88 depth (ftUS)

`Vertical::fromSRID(Vertical::EPSG_NAVD88_DEPTH_FTUS)`

to NAVD88 height (ftUS) (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT_FTUS)`
	`)`

NAVD88 height

`Vertical::fromSRID(Vertical::EPSG_NAVD88_HEIGHT)`

to NAVD88 depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪DEPTH)`
	`)`

to NAVD88 height (ft) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT_FT)`
	`)`

to NAVD88 height (ftUS) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT_FTUS)`
	`)`

to NGVD29 height (m) (Vertical)

EPSG	PHPCoord

Name: NGVD29 height (m) to NAVD88 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS west of 107°W - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_`
	`↪HEIGHT_M),`
	`  offsetsFile: GTXNGVD29NAVD88CONUSWestProvider->`
	`↪provideGrid()`
	`)`

Name: NGVD29 height (m) to NAVD88 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS 89°W-107°W - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_`
	`↪HEIGHT_M),`
	`  offsetsFile:␣`
	`↪GTXNGVD29NAVD88CONUSCentralProvider->`
	`↪provideGrid()`
	`)`

Name: NGVD29 height (m) to NAVD88 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS east of 89°W - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_`
	`↪HEIGHT_M),`
	`  offsetsFile: GTXNGVD29NAVD88CONUSEastProvider->`
	`↪provideGrid()`
	`)`

NAVD88 height (ft)

`Vertical::fromSRID(Vertical::EPSG_NAVD88_HEIGHT_FT)`

to NAVD88 height (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT)`
	`)`

NAVD88 height (ftUS)

`Vertical::fromSRID(Vertical::EPSG_NAVD88_HEIGHT_FTUS)`

to NAVD88 depth (ftUS) (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪DEPTH_FTUS)`
	`)`

to NAVD88 height (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT)`
	`)`

NGF-IGN69 height

`Vertical::fromSRID(Vertical::EPSG_NGF_IGN69_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: NGF-IGN69 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  verticalOffset: new Metre(-0.486)`
	`)`

NGVD29 depth (ftUS)

`Vertical::fromSRID(Vertical::EPSG_NGVD29_DEPTH_FTUS)`

to NGVD29 height (ftUS) (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_FTUS)`
	`)`

NGVD29 height (ftUS)

`Vertical::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_FTUS)`

to NGVD29 depth (ftUS) (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_DEPTH_FTUS)`
	`)`

to NGVD29 height (m) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_`
	`↪HEIGHT_M)`
	`)`

NGVD29 height (m)

`Vertical::fromSRID(Vertical::EPSG_NGVD29_HEIGHT_M)`

to NAVD88 height (Vertical)

EPSG	PHPCoord

Name: NGVD29 height (m) to NAVD88 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS west of 107°W - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT),`
	`  offsetsFile: GTXNGVD29NAVD88CONUSWestProvider->`
	`↪provideGrid()`
	`)`

Name: NGVD29 height (m) to NAVD88 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS 89°W-107°W - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT),`
	`  offsetsFile:␣`
	`↪GTXNGVD29NAVD88CONUSCentralProvider->`
	`↪provideGrid()`
	`)`

Name: NGVD29 height (m) to NAVD88 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS east of 89°W - onshore
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAVD88_`
	`↪HEIGHT),`
	`  offsetsFile: GTXNGVD29NAVD88CONUSEastProvider->`
	`↪provideGrid()`
	`)`

to NGVD29 height (ftUS) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NGVD29_`
	`↪HEIGHT_FTUS)`
	`)`

NN54 height

`Vertical::fromSRID(Vertical::EPSG_NN54_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: NN54 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_`
	`↪HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(62.`
	`↪933333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(11.`
	`↪166666666667),`
	`  verticalOffset: new Metre(-0.001),`
	`  inclinationInLatitude: new ArcSecond(-0.01),`
	`  inclinationInLongitude: new ArcSecond(0.034),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

NZVD2009 height

`Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT)`

to Auckland 1946 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Auckland 1946 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Auckland vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AUCKLAND_`
	`↪1946_HEIGHT),`
	`  verticalOffset: new Metre(0.34)`
	`)`

to Bluff 1955 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Bluff 1955 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Bluff vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BLUFF_`
	`↪1955_HEIGHT),`
	`  verticalOffset: new Metre(0.36)`
	`)`

to Dunedin 1958 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Dunedin 1958 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DUNEDIN_`
	`↪1958_HEIGHT),`
	`  verticalOffset: new Metre(0.49)`
	`)`

to Dunedin-Bluff 1960 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Dunedin-Bluff 1960 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin-Bluff vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DUNEDIN_`
	`↪BLUFF_1960_HEIGHT),`
	`  verticalOffset: new Metre(0.38)`
	`)`

to Gisborne 1926 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Gisborne 1926 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Gisborne vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GISBORNE_`
	`↪1926_HEIGHT),`
	`  verticalOffset: new Metre(0.34)`
	`)`

to Lyttelton 1937 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Lyttelton 1937 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lyttleton vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪LYTTELTON_1937_HEIGHT),`
	`  verticalOffset: new Metre(0.47)`
	`)`

to Moturiki 1953 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Moturiki 1953 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Moturiki vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MOTURIKI_`
	`↪1953_HEIGHT),`
	`  verticalOffset: new Metre(0.24)`
	`)`

to Napier 1962 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Napier 1962 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAPIER_`
	`↪1962_HEIGHT),`
	`  verticalOffset: new Metre(0.2)`
	`)`

to Nelson 1955 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Nelson 1955 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NELSON_`
	`↪1955_HEIGHT),`
	`  verticalOffset: new Metre(0.29)`
	`)`

to One Tree Point 1964 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to One Tree Point 1964 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - One Tree vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ONE_TREE_`
	`↪POINT_1964_HEIGHT),`
	`  verticalOffset: new Metre(0.06)`
	`)`

to Stewart Island 1977 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Stewart Island 1977 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Stewart Island
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_STEWART_`
	`↪ISLAND_1977_HEIGHT),`
	`  verticalOffset: new Metre(0.39)`
	`)`

to Taranaki 1970 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Taranaki 1970 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_TARANAKI_`
	`↪1970_HEIGHT),`
	`  verticalOffset: new Metre(0.32)`
	`)`

to Wellington 1953 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Wellington 1953 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪WELLINGTON_1953_HEIGHT),`
	`  verticalOffset: new Metre(0.44)`
	`)`

NZVD2016 height

`Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT)`

to Auckland 1946 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Auckland 1946 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Auckland vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_AUCKLAND_`
	`↪1946_HEIGHT),`
	`  offsetsFile: GTXAuckland1946NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Bluff 1955 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Bluff 1955 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Bluff vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BLUFF_`
	`↪1955_HEIGHT),`
	`  offsetsFile: GTXBluff1955NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Dunedin 1958 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Dunedin 1958 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DUNEDIN_`
	`↪1958_HEIGHT),`
	`  offsetsFile: GTXDunedin1958NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Dunedin-Bluff 1960 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Dunedin-Bluff 1960 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Dunedin-Bluff vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_DUNEDIN_`
	`↪BLUFF_1960_HEIGHT),`
	`  offsetsFile:␣`
	`↪GTXDunedinBluff1960NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Gisborne 1926 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Gisborne 1926 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Gisborne vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GISBORNE_`
	`↪1926_HEIGHT),`
	`  offsetsFile: GTXGisborne1926NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Lyttelton 1937 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Lyttelton 1937 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Lyttleton vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪LYTTELTON_1937_HEIGHT),`
	`  offsetsFile: GTXLyttelton1937NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Moturiki 1953 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Moturiki 1953 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Moturiki vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MOTURIKI_`
	`↪1953_HEIGHT),`
	`  offsetsFile: GTXMoturiki1953NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Napier 1962 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Napier 1962 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NAPIER_`
	`↪1962_HEIGHT),`
	`  offsetsFile: GTXNapier1962NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Nelson 1955 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Nelson 1955 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NELSON_`
	`↪1955_HEIGHT),`
	`  offsetsFile: GTXNelson1955NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to One Tree Point 1964 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to One Tree Point 1964 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - One Tree vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ONE_TREE_`
	`↪POINT_1964_HEIGHT),`
	`  offsetsFile:␣`
	`↪GTXOneTreePoint1964NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Stewart Island 1977 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Stewart Island 1977 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Stewart Island
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_STEWART_`
	`↪ISLAND_1977_HEIGHT),`
	`  offsetsFile:␣`
	`↪GTXStewartIsland1977NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Taranaki 1970 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Taranaki 1970 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_TARANAKI_`
	`↪1970_HEIGHT),`
	`  offsetsFile: GTXTaranaki1970NZVD2016Provider->`
	`↪provideGrid()`
	`)`

to Wellington 1953 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Wellington 1953 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_`
	`↪WELLINGTON_1953_HEIGHT),`
	`  offsetsFile: GTXWellington1953NZVD2016Provider-`
	`↪>provideGrid()`
	`)`

Napier 1962 height

`Vertical::fromSRID(Vertical::EPSG_NAPIER_1962_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Napier 1962 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.2)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Napier 1962 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Hawkes Bay mc Napier vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXNapier1962NZVD2016Provider->`
	`↪provideGrid()`
	`)`

Nelson 1955 height

`Vertical::fromSRID(Vertical::EPSG_NELSON_1955_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Nelson 1955 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.29)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Nelson 1955 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - South Island - Nelson vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXNelson1955NZVD2016Provider->`
	`↪provideGrid()`
	`)`

ODN height

```
Vertical::fromSRID(Vertical::EPSG_ODN_HEIGHT)
```

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: ODN height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(54.583333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(-2.25),`
	`  verticalOffset: new Metre(0.07),`
	`  inclinationInLatitude: new ArcSecond(0.044),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2019 mean-tide height (Vertical)

EPSG	PHPCoord

Name: ODN height to EVRF2019 mean-tide height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2019_MEAN_TIDE_HEIGHT),`
	`  verticalOffset: new Metre(-0.17)`
	`)`

One Tree Point 1964 height

```
Vertical::fromSRID(Vertical::EPSG_ONE_TREE_POINT_1964_HEIGHT)
```

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to One Tree Point 1964 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - One Tree vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.06)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to One Tree Point 1964 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - One Tree vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile:␣`
	`↪GTXOneTreePoint1964NZVD2016Provider->`
	`↪provideGrid()`
	`)`

Ostend height

`Vertical::fromSRID(Vertical::EPSG_OSTEND_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: Ostend height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(50.716666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(4.7666666666667),`
	`  verticalOffset: new Metre(-2.311),`
	`  inclinationInLatitude: new ArcSecond(-0.016),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: Ostend height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(50.716666666667),`
	`  ordinate2OfEvaluationPoint: new Degree(4.7666666666667),`
	`  verticalOffset: new Metre(-2.317),`
	`  inclinationInLatitude: new ArcSecond(-0.031),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

POM08 height

`Vertical::fromSRID(Vertical::EPSG_POM08_HEIGHT)`

to EGM2008 height (Vertical)

EPSG	PHPCoord

Name: EGM2008 height to POM08 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - onshore - Central province and Gulf province east of 144°E
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EGM2008_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(0.93)`
	`)`

POM96 height

`Vertical::fromSRID(Vertical::EPSG_POM96_HEIGHT)`

to EGM96 height (Vertical)

EPSG	PHPCoord

Name: EGM96 height to POM96 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Papua New Guinea - onshore - Central province and Gulf province east of 144°E
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EGM96_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(1.58)`
	`)`

Ponta Delgada depth

`Vertical::fromSRID(Vertical::EPSG_PONTA_DELGADA_DEPTH)`

to Ponta Delgada height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_PONTA_`
	`↪DELGADA_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Ponta Delgada depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - S Miguel - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_`
	`↪PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Ponta Delgada height

`Vertical::fromSRID(Vertical::EPSG_PONTA_DELGADA_HEIGHT)`

to Ponta Delgada depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_PONTA_`
	`↪DELGADA_DEPTH)`
	`)`

Poolbeg height (ft(Br36))

```
Vertical::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_FT_BR36)
```

to Poolbeg height (m) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_POOLBEG_`
	`↪HEIGHT_M)`
	`)`

Poolbeg height (m)

```
Vertical::fromSRID(Vertical::EPSG_POOLBEG_HEIGHT_M)
```

to Belfast height (Vertical)

EPSG	PHPCoord

Name: Poolbeg height (m) to Belfast height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_BELFAST_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-2.7)`
	`)`

to Malin Head height (Vertical)

EPSG	PHPCoord

Name: Poolbeg height (m) to Malin Head height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_MALIN_`
	`↪HEAD_HEIGHT),`
	`  verticalOffset: new Metre(-2.7)`
	`)`

to Poolbeg height (ft(Br36)) (Vertical)

EPSG	PHPCoord

Name: Vertical Axis Unit Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->changeOfVerticalUnit(`
	`  to: Vertical::fromSRID(Vertical::EPSG_POOLBEG_`
	`↪HEIGHT_FT_BR36)`
	`)`

RH2000 height

`Vertical::fromSRID(Vertical::EPSG_RH2000_HEIGHT)`

to EVRF2007 height (Vertical)

EPSG	PHPCoord

Name: RH2000 height to EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2007_`
	`↪HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(61.9),`
	`  ordinate2OfEvaluationPoint: new Degree(15.8),`
	`  verticalOffset: new Metre(-0.008),`
	`  inclinationInLatitude: new ArcSecond(-0.0006),`
	`  inclinationInLongitude: new ArcSecond(-0.0003),`
	`  EPSGCodeForHorizontalCRS:`
	`↪'urn:ogc:def:crs:EPSG::4258'`
	`)`

RH70 height

`Vertical::fromSRID(Vertical::EPSG_RH70_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: RH70 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Sweden - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(64),`
	`  ordinate2OfEvaluationPoint: new Degree(16.233333333333),`
	`  verticalOffset: new Metre(0.005),`
	`  inclinationInLatitude: new ArcSecond(-0.012),`
	`  inclinationInLongitude: new ArcSecond(0),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

SNN76 height

`Vertical::fromSRID(Vertical::EPSG_SNN76_HEIGHT)`

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: SNN76 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - East Germany all states
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(52.533333333333),`
	`  ordinate2OfEvaluationPoint: new Degree(13.166666666667),`
	`  verticalOffset: new Metre(0.157),`
	`  inclinationInLatitude: new ArcSecond(0.007),`
	`  inclinationInLongitude: new ArcSecond(0.005),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

SVS2000 height

```
Vertical::fromSRID(Vertical::EPSG_SVS2000_HEIGHT)
```

to EVRF2000 height (Vertical)

EPSG	PHPCoord

Name: SVS2000 height to EVRF2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - onshore
	`$point->offsetAndSlope(`
	`  to: Vertical::fromSRID(Vertical::EPSG_EVRF2000_HEIGHT),`
	`  ordinate1OfEvaluationPoint: new Degree(46),`
	`  ordinate2OfEvaluationPoint: new Degree(15),`
	`  verticalOffset: new Metre(-0.411),`
	`  inclinationInLatitude: new ArcSecond(-0.033),`
	`  inclinationInLongitude: new ArcSecond(0.008),`
	`  EPSGCodeForHorizontalCRS: 'urn:ogc:def:crs:EPSG::4258'`
	`)`

Santa Cruz da Graciosa depth

```
Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_DEPTH)
```

to Santa Cruz da Graciosa height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Santa Cruz da Graciosa depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Graciosa - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Santa Cruz da Graciosa height

`Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_HEIGHT)`

to Santa Cruz da Graciosa depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DA_GRACIOSA_DEPTH)`
	`)`

Santa Cruz das Flores depth

`Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_DEPTH)`

to Santa Cruz das Flores height (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_HEIGHT)`
	`)`

to ZH Portugal depth (Vertical)

EPSG	PHPCoord

Name: Santa Cruz das Flores depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores W - Flores, Corvo - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_ZH_PORTUGAL_DEPTH),`
	`  verticalOffset: new Metre(-1)`
	`)`

Santa Cruz das Flores height

`Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_HEIGHT)`

to Santa Cruz das Flores depth (Vertical)

EPSG	PHPCoord

Name: Height <> Depth Conversion
Code: urn:ogc:def:coordinateOperation:EPS
Extent: World
	`$point->heightDepthReversal(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SANTA_CRUZ_DAS_FLORES_DEPTH)`
	`)`

Stewart Island 1977 height

`Vertical::fromSRID(Vertical::EPSG_STEWART_ISLAND_1977_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Stewart Island 1977 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Stewart Island
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT),`
	`  verticalOffset: new Metre(-0.39)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Stewart Island 1977 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - Stewart Island
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT),`
	`  offsetsFile: GTXStewartIsland1977NZVD2016Provider->provideGrid()`
	`)`

Taranaki 1970 height

`Vertical::fromSRID(Vertical::EPSG_TARANAKI_1970_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Taranaki 1970 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_HEIGHT),`
	`  verticalOffset: new Metre(-0.32)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Taranaki 1970 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Taranaki vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_HEIGHT),`
	`  offsetsFile: GTXTaranaki1970NZVD2016Provider->provideGrid()`
	`)`

Vienna height

`Vertical::fromSRID(Vertical::EPSG_VIENNA_HEIGHT)`

to GHA height (Vertical)

EPSG	PHPCoord

Name: Vienna height to GHA height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria - Vienna
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_GHA_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(156.68)`
	`)`

Wellington 1953 height

`Vertical::fromSRID(Vertical::EPSG_WELLINGTON_1953_HEIGHT)`

to NZVD2009 height (Vertical)

EPSG	PHPCoord

Name: NZVD2009 height to Wellington 1953 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington vcrs
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2009_`
	`↪HEIGHT),`
	`  verticalOffset: new Metre(-0.44)`
	`)`

to NZVD2016 height (Vertical)

EPSG	PHPCoord

Name: NZVD2016 height to Wellington 1953 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand - North Island - Wellington vcrs
	`$point->offsetFromGrid(`
	`  to: Vertical::fromSRID(Vertical::EPSG_NZVD2016_`
	`↪HEIGHT),`
	`  offsetsFile: GTXWellington1953NZVD2016Provider-`
	`↪>provideGrid()`
	`)`

ZH Portugal depth

`Vertical::fromSRID(Vertical::EPSG_ZH_PORTUGAL_DEPTH)`

to Cais da Figueirinha depth (Vertical)

EPSG	PHPCoord

Name: Cais da Figueirinha depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Terceira - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪FIGUEIRINHA_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Cais da Madalena depth (Vertical)

EPSG	PHPCoord

Name: Cais da Madalena depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Pico nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪MADALENA_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Cais da Pontinha depth (Vertical)

EPSG	PHPCoord

Name: Cais da Pontinha depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Madeira and Desertas islands - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪PONTINHA_DEPTH),`
	`  verticalOffset: new Metre(1.4)`
	`)`

to Cais da Vila depth (Vertical)

EPSG	PHPCoord

Name: Cais da Vila depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Porto Santo island - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪VILA_DEPTH),`
	`  verticalOffset: new Metre(1.4)`
	`)`

to Cais da Vila do Porto depth (Vertical)

EPSG	PHPCoord

Name: Cais da Vila do Porto depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - Santa Maria and Formigas - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DA_`
	`↪VILA_DO_PORTO_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Cais das Velas depth (Vertical)

EPSG	PHPCoord

Name: Cais das Velas depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - S Jorge - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CAIS_DAS_`
	`↪VELAS_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Cascais depth (Vertical)

EPSG	PHPCoord

Name: Cascais depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASCAIS_`
	`↪DEPTH),`
	`  verticalOffset: new Metre(2)`
	`)`

Name: Cascais depth to ZH Portugal depth (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - nearshore - Tagus estuary
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_CASCAIS_`
	`↪DEPTH),`
	`  verticalOffset: new Metre(2.08)`
	`)`

to Horta depth (Vertical)

EPSG	PHPCoord

Name: Horta depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Faial - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_HORTA_`
	`↪DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Ponta Delgada depth (Vertical)

EPSG	PHPCoord

Name: Ponta Delgada depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores E - S Miguel - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_PONTA_`
	`↪DELGADA_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Santa Cruz da Graciosa depth (Vertical)

EPSG	PHPCoord

Name: Santa Cruz da Graciosa depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores C - Graciosa - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SANTA_`
	`↪CRUZ_DA_GRACIOSA_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

to Santa Cruz das Flores depth (Vertical)

EPSG	PHPCoord

Name: Santa Cruz das Flores depth to ZH Portugal depth (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - Azores W - Flores, Corvo - nearshore
	`$point->offset(`
	`  to: Vertical::fromSRID(Vertical::EPSG_SANTA_`
	`↪CRUZ_DAS_FLORES_DEPTH),`
	`  verticalOffset: new Metre(1)`
	`)`

1.12.6 Compound

ETRF2000-PL + Baltic 1986 height

`Compound::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_BALTIC_1986_HEIGHT)`

to ETRF2000-PL (Geographic3D)

EPSG	PHPCoord

Name: ETRF2000-PL to ETRF2000-PL + Baltic 1986 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ETRF2000_PL),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GUGiKHeightETRF2000Baltic1986PolandProvider->`
	`↪provideGrid()`
	`)`

ETRF2000-PL + EVRF2007-PL height

`Compound::fromSRID(Compound::EPSG_ETRF2000_PL_PLUS_EVRF2007_PL_HEIGHT)`

to ETRF2000-PL (Geographic3D)

EPSG	PHPCoord

Name: ETRF2000-PL to ETRF2000-PL + EVRF2007-PL height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Poland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRF2000_PL),`
	`  geoidHeightCorrectionModelFile: GUGiKHeightETRF2000EVRF2007PolandProvider->provideGrid()`
	`)`

ETRS89 + Alboran height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ALBORAN_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Alboran height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Alboran
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + Alicante height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ALICANTE_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Alicante height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - mainland onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + BI height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_BI_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + BI height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Britain and UKCS 49°45'N to 61°N, 9°W to 2°E
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

Name: ETRS89 to ETRS89 + BI height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSGM15BelfastProvider->provideGrid()`
	`)`

Name: ETRS89 to ETRS89 + BI height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSGM15MalinProvider->provideGrid()`
	`)`

ETRS89 + Baltic 1957 height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_BALTIC_1957_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Baltic 1957 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Czechia
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: GTXETRS89Baltic1957CzechiaProvider->provideGrid()`
	`)`

Name: ETRS89 to ETRS89 + Baltic 1957 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: GTXETRS89Baltic1957SlovakiaProvider->provideGrid()`
	`)`

ETRS89 + Belfast height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_BELFAST_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Belfast height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Northern Ireland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSGM15BelfastProvider->provideGrid()`
	`)`

ETRS89 + Cascais height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CASCAIS_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Cascais height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Portugal - mainland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: DATETRS89CascaisPortugalProvider->provideGrid()`
	`)`

ETRS89 + Ceuta 2 height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_CEUTA_2_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Ceuta 2 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Ceuta
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + Douglas height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_DOUGLAS_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Douglas height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Isle of Man - onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89 + EVRF2000 Austria height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2000_AUSTRIA_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: BEVHeightETRS89EVRF2000AustriaProvider->provideGrid()`
	`)`

ETRS89 + EVRF2007 height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_EVRF2007_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + EVRF2007 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovakia
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: GTXETRS89EVRF2007SlovakiaProvider->provideGrid()`
	`)`

ETRS89 + Formentera height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_FORMENTERA_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Formentera height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Formentera
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + Ibiza height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_IBIZA_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Ibiza height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Ibiza
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + Lerwick height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_LERWICK_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Lerwick height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Shetland Islands onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89 + Malin Head height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MALIN_HEAD_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Malin Head height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Europe - Ireland (Republic and Ulster) - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSGM15MalinProvider->provideGrid()`
	`)`

ETRS89 + Mallorca height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MALLORCA_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Mallorca height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Mallorca
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + Melilla height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MELILLA_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Melilla height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Melilla
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + Menorca height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_MENORCA_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Menorca height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Balearic Islands - Menorca
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: IGNESHeightETRS89REDNAPSpainProvider->provideGrid()`
	`)`

ETRS89 + NAP height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NAP_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + NAP height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Netherlands - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: GTXETRS89NAPProvider->provideGrid()`
	`)`

ETRS89 + NN2000 height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NN2000_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + NN2000 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: KMSETRS89NN2000Provider->provideGrid()`
	`)`

ETRS89 + NN54 height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_NN54_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + NN54 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Norway - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: KMSETRS89NN1954Provider->provideGrid()`
	`)`

ETRS89 + ODN (Offshore) height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_OFFSHORE_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + ODN (Offshore) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - offshore 49°45'N to 61°N, 9°W to 2°E
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89 + ODN Orkney height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_ORKNEY_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + ODN Orkney height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Orkney Islands onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89 + ODN height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ODN_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + ODN height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Great Britain mainland onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89 + Ostend height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_OSTEND_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Ostend height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Belgium - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: DATETRS89OstendBelgiumProvider->provideGrid()`
	`)`

ETRS89 + St. Marys height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_ST_MARYS_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + St. Marys height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Scilly Isles onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89 + Stornoway height

`Compound::fromSRID(Compound::EPSG_ETRS89_PLUS_STORNOWAY_HEIGHT)`

to ETRS89 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89 to ETRS89 + Stornoway height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: UK - Outer Hebrides onshore
	`$point->geographic3DTo2DPlusGravityHeightOSGM15(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89),`
	`  geoidHeightCorrectionModelFile: OSTN15OSGM15Provider->provideGrid()`
	`)`

ETRS89/DREF91/2016 + DHHN2016 height

`Compound::fromSRID(Compound::EPSG_ETRS89_DREF91_2016_PLUS_DHHN2016_HEIGHT)`

to ETRS89/DREF91/2016 (Geographic3D)

EPSG	PHPCoord

Name: ETRS89/DREF91/2016 to ETRS89/DREF91/2016 + DHHN2016 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Germany - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_ETRS89_DREF91_2016),`
	`  geoidHeightCorrectionModelFile: DATETRS89DHHN2016Provider->provideGrid()`
	`)`

GDA2020 + AHD height

`Compound::fromSRID(Compound::EPSG_GDA2020_PLUS_AHD_HEIGHT)`

to GDA2020 (Geographic3D)

EPSG	PHPCoord

Name: GDA2020 to GDA2020 + AHD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia Christmas and Cocos - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDA2020),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGDA2020AHDProvider->provideGrid()`
	`)`

GDA2020 + AVWS height

`Compound::fromSRID(Compound::EPSG_GDA2020_PLUS_AVWS_HEIGHT)`

to GDA2020 (Geographic3D)

EPSG	PHPCoord

Name: GDA2020 to GDA2020 + AVWS height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - GDA
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDA2020),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGDA2020AVWSProvider->provideGrid()`
	`)`

GDA94 + AHD height

`Compound::fromSRID(Compound::EPSG_GDA94_PLUS_AHD_HEIGHT)`

to GDA94 (Geographic3D)

EPSG	PHPCoord

Name: GDA94 to GDA94 + AHD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Australia - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪GDA94),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGDA94AHDProvider->provideGrid()`
	`)`

ISN2016 + ISH2004 height

`Compound::fromSRID(Compound::EPSG_ISN2016_PLUS_ISH2004_HEIGHT)`

to ISN2016 (Geographic3D)

EPSG	PHPCoord

Name: ISN2016 to ISN2016 + ISH2004 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Iceland - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ISN2016),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXISN2016ISH2004IcelandProvider->provideGrid()`
	`)`

ITRF2005 + SA LLD height

`Compound::fromSRID(Compound::EPSG_ITRF2005_PLUS_SA_LLD_HEIGHT)`

to ITRF2005 (Geographic3D)

EPSG	PHPCoord

Name: ITRF2005 to ITRF2005 + SA LLD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: South Africa - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪ITRF2005),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪DATITRF2005SALLDProvider->provideGrid()`
	`)`

MGI + EVRF2000 Austria height

`Compound::fromSRID(Compound::EPSG_MGI_PLUS_EVRF2000_AUSTRIA_HEIGHT)`

to MGI (Geographic3D)

EPSG	PHPCoord

Name: MGI to MGI + EVRF2000 Austria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Austria
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪MGI),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BEVHeightMGIEVRF2000AustriaProvider->`
	`↪provideGrid()`
	`)`

NAD83(2011) + NAVD88 height

`Compound::fromSRID(Compound::EPSG_NAD83_2011_PLUS_NAVD88_HEIGHT)`

to NAD83(2011) (Geographic3D)

EPSG	PHPCoord

Name: NAD83(2011) to NAD83(2011) + NAVD88 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - CONUS - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_2011),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18CONUSProvider->provideGrid()`
	`)`

Name: NAD83(2011) to NAD83(2011) + NAVD88 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: USA - Alaska
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_2011),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID12BAlaskaProvider->provideGrid()`
	`)`

NAD83(2011) + PRVD02 height

`Compound::fromSRID(Compound::EPSG_NAD83_2011_PLUS_PRVD02_HEIGHT)`

to NAD83(2011) (Geographic3D)

EPSG	PHPCoord

Name: NAD83(2011) to NAD83(2011) + PRVD02 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Puerto Rico - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_2011),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18PRVIProvider->provideGrid()`
	`)`

NAD83(2011) + VIVD09 height

`Compound::fromSRID(Compound::EPSG_NAD83_2011_PLUS_VIVD09_HEIGHT)`

to NAD83(2011) (Geographic3D)

EPSG	PHPCoord

Name: NAD83(2011) to NAD83(2011) + VIVD09 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Virgin Islands, US - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_2011),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID18PRVIProvider->provideGrid()`
	`)`

NAD83(CSRS)v3 + CGVD2013a(1997) height

`Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V3_PLUS_CGVD2013A_1997_HEIGHT)`

to NAD83(CSRS)v3 (Geographic3D)

EPSG	PHPCoord

Name: NAD83(CSRS)v3 to NAD83(CSRS)v3 + CGVD2013a(1997) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_CSRS_V3),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

NAD83(CSRS)v4 + CGVD2013a(2002) height

`Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V4_PLUS_CGVD2013A_2002_HEIGHT)`

to NAD83(CSRS)v4 (Geographic3D)

EPSG	PHPCoord

Name: NAD83(CSRS)v4 to NAD83(CSRS)v4 + CGVD2013a(2002) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V4),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

NAD83(CSRS)v6 + CGVD2013a(2010) height

`Compound::fromSRID(Compound::EPSG_NAD83_CSRS_V6_PLUS_CGVD2013A_2010_HEIGHT)`

to NAD83(CSRS)v6 (Geographic3D)

EPSG	PHPCoord

Name: NAD83(CSRS)v6 to NAD83(CSRS)v6 + CGVD2013a(2010) height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Canada
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NAD83_CSRS_V6),`
	`  geoidHeightCorrectionModelFile: BYNNAD83CSRSCGG2013aProvider->provideGrid()`
	`)`

NAD83(MA11) + GUVD04 height

`Compound::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_GUVD04_HEIGHT)`

to NAD83(MA11) (Geographic3D)

EPSG	PHPCoord

Name: NAD83(MA11) to NAD83(MA11) + GUVD04 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guam - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_MA11),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID12BGuamMIProvider->provideGrid()`
	`)`

NAD83(MA11) + NMVD03 height

`Compound::fromSRID(Compound::EPSG_NAD83_MA11_PLUS_NMVD03_HEIGHT)`

to NAD83(MA11) (Geographic3D)

EPSG	PHPCoord

Name: NAD83(MA11) to NAD83(MA11) + NMVD03 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Northern Mariana Islands - Rota, Saipan and Tinian
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_MA11),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID12BGuamMIProvider->provideGrid()`
	`)`

NAD83(PA11) + ASVD02 height

`Compound::fromSRID(Compound::EPSG_NAD83_PA11_PLUS_ASVD02_HEIGHT)`

to NAD83(PA11) (Geographic3D)

EPSG	PHPCoord

Name: NAD83(PA11) to NAD83(PA11) + ASVD02 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: American Samoa - Tutuila island
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪NAD83_PA11),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪GTXGEOID12BAmericaSamoaProvider->provideGrid()`
	`)`

NZGD2000 + NZVD2009 height

`Compound::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2009_HEIGHT)`

to NZGD2000 (Geographic3D)

EPSG	PHPCoord

Name: NZGD2000 to NZGD2000 + NZVD2009 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NZGD2000),`
	`  geoidHeightCorrectionModelFile: GTXNZGeoid2009Provider->provideGrid()`
	`)`

NZGD2000 + NZVD2016 height

`Compound::fromSRID(Compound::EPSG_NZGD2000_PLUS_NZVD2016_HEIGHT)`

to NZGD2000 (Geographic3D)

EPSG	PHPCoord

Name: NZGD2000 to NZGD2000 + NZVD2016 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Zealand
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_NZGD2000),`
	`  geoidHeightCorrectionModelFile: GTXNZGeoid2016Provider->provideGrid()`
	`)`

POSGAR 2007 + SRVN16 height

`Compound::fromSRID(Compound::EPSG_POSGAR_2007_PLUS_SRVN16_HEIGHT)`

to POSGAR 2007 (Geographic3D)

EPSG	PHPCoord

Name: POSGAR 2007 to POSGAR 2007 + SRVN16 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Argentina - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪POSGAR_2007),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪KMSPOSGAR2007SRVN16Provider->provideGrid()`
	`)`

REGCAN95 + El Hierro height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_EL_HIERRO_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + El Hierro height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - El Hierro
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGCAN95 + Fuerteventura height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_FUERTEVENTURA_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Fuerteventura height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Fuerteventura
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGCAN95 + Gran Canaria height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_GRAN_CANARIA_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Gran Canaria height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Gran Canaria
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGCAN95 + La Gomera height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_LA_GOMERA_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + La Gomera height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - La Gomera
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGCAN95 + La Palma height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_LA_PALMA_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + La Palma height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - La Palma
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGCAN95 + Lanzarote height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_LANZAROTE_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Lanzarote height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Lanzarote
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

REGCAN95 + Tenerife height

`Compound::fromSRID(Compound::EPSG_REGCAN95_PLUS_TENERIFE_HEIGHT)`

to REGCAN95 (Geographic3D)

EPSG	PHPCoord

Name: REGCAN95 to REGCAN95 + Tenerife height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Spain - Canary Islands - Tenerife
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪REGCAN95),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNESHeightETRS89REDNAPCanaryIslandsProvider->`
	`↪provideGrid()`
	`)`

RGAF09 + Guadeloupe 1988 height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_GUADELOUPE_1988_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + Guadeloupe 1988 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Grande-Terre and Basse-Terre - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09Guadeloupe1988Provider->`
	`↪provideGrid()`
	`)`

RGAF09 + IGN 1988 LS height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_LS_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 LS height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Les Saintes - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09IGN1988LesSaintesProvider->`
	`↪provideGrid()`
	`)`

RGAF09 + IGN 1988 MG height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_MG_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 MG height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - Marie-Galante - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09IGN1988MarieGalanteProvider->`
	`↪provideGrid()`
	`)`

RGAF09 + IGN 1988 SB height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SB_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 SB height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Barthelemy - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09IGN1988SaintBarthelemyProvider->`
	`↪provideGrid()`
	`)`

RGAF09 + IGN 1988 SM height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_1988_SM_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 1988 SM height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - St Martin - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09IGN1988SaintMartinProvider->`
	`↪provideGrid()`
	`)`

RGAF09 + IGN 2008 LD height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_IGN_2008_LD_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + IGN 2008 LD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - La Desirade - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09IGN2008LaDesiradeProvider->`
	`↪provideGrid()`
	`)`

RGAF09 + Martinique 1987 height

`Compound::fromSRID(Compound::EPSG_RGAF09_PLUS_MARTINIQUE_1987_HEIGHT)`

to RGAF09 (Geographic3D)

EPSG	PHPCoord

Name: RGAF09 to RGAF09 + Martinique 1987 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Martinique - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGAF09),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGAF09Martinique1987Provider->`
	`↪provideGrid()`
	`)`

RGF93 v2b + NGF-IGN69 height

`Compound::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN69_HEIGHT)`

to RGF93 v2b (Geographic3D)

EPSG	PHPCoord

Name: RGF93 v2b to RGF93 v2b + NGF-IGN69 height (5)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - mainland onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGF93v2bNGFIGN69FranceProvider->provideGrid()`
	`)`

RGF93 v2b + NGF-IGN78 height

`Compound::fromSRID(Compound::EPSG_RGF93_V2B_PLUS_NGF_IGN78_HEIGHT)`

to RGF93 v2b (Geographic3D)

EPSG	PHPCoord

Name: RGF93 v2b to RGF93 v2b + NGF-IGN78 height (3)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: France - Corsica onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_RGF93_V2B),`
	`  geoidHeightCorrectionModelFile: IGNFHeightRGF93v2NGFIGN78CorsicaProvider->provideGrid()`
	`)`

RGNC91-93 + NGNC08 height

`Compound::fromSRID(Compound::EPSG_RGNC91_93_PLUS_NGNC08_HEIGHT)`

to RGNC91-93 (Geographic3D)

EPSG	PHPCoord

Name: RGNC91-93 to RGNC91-93 + NGNC08 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: New Caledonia - Belep, Grande Terre, Ile des Pins, Loyalty Islands
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGNC91_93),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGNC9193NGNC08NewCaledoniaProvider->`
	`↪provideGrid()`
	`)`

RGSPM06 + Danger 1950 height

`Compound::fromSRID(Compound::EPSG_RGSPM06_PLUS_DANGER_1950_HEIGHT)`

to RGSPM06 (Geographic3D)

EPSG	PHPCoord

Name: RGSPM06 to RGSPM06 + Danger 1950 height (2)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: St Pierre and Miquelon - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RGSPM06),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightRGSPM06Danger1950Provider->`
	`↪provideGrid()`
	`)`

RRAF 1991 + IGN 2008 LD height

`Compound::fromSRID(Compound::EPSG_RRAF_1991_PLUS_IGN_2008_LD_HEIGHT)`

to RRAF 1991 (Geographic3D)

EPSG	PHPCoord

Name: RRAF 1991 to RRAF 1991 + IGN 2008 LD height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Guadeloupe - La Desirade - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪RRAF_1991),`
	`  geoidHeightCorrectionModelFile:␣`
	`↪IGNFHeightWGS84IGN2008LaDesiradeProvider->`
	`↪provideGrid()`
	`)`

Slovenia 1996 + SVS2010 height

`Compound::fromSRID(Compound::EPSG_SLOVENIA_1996_PLUS_SVS2010_HEIGHT)`

to Slovenia 1996 (Geographic3D)

EPSG	PHPCoord

Name: Slovenia 1996 to Slovenia 1996 + SVS2010 height (1)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Slovenia - onshore
	`$point->geographic3DTo2DPlusGravityHeightFromGrid(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_SLOVENIA_1996),`
	`  geoidHeightCorrectionModelFile: KMSSlovenia1996SVS2010Provider->provideGrid()`
	`)`

Tokyo + JSLD69 height

`Compound::fromSRID(Compound::EPSG_TOKYO_PLUS_JSLD69_HEIGHT)`

to WGS 84 (Geographic3D)

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (7)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 45°20'N to 46°N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84),`
	`  latitudeOffset: new ArcSecond(7.94),`
	`  longitudeOffset: new ArcSecond(-13.97),`
	`  geoidUndulation: new Metre(26.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (8)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°40'N to 45°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_WGS_84),`
	`  latitudeOffset: new ArcSecond(8.1),`
	`  longitudeOffset: new ArcSecond(-13.81),`
	`  geoidUndulation: new Metre(27.2)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (9)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°40'N to 45°20'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.15),`
	`  longitudeOffset: new ArcSecond(-13.95),`
	`  geoidUndulation: new Metre(28.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (10)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.37),`
	`  longitudeOffset: new ArcSecond(-13.65),`
	`  geoidUndulation: new Metre(29)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (11)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.44),`
	`  longitudeOffset: new ArcSecond(-13.87),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (12)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.61),`
	`  longitudeOffset: new ArcSecond(-14.08),`
	`  geoidUndulation: new Metre(30.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (13)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 44°N to 44°40'N; 144°E to 145°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.73),`
	`  longitudeOffset: new ArcSecond(-14.3),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (14)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.63),`
	`  longitudeOffset: new ArcSecond(-13.49),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (15)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.71),`
	`  longitudeOffset: new ArcSecond(-13.73),`
	`  geoidUndulation: new Metre(31.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (16)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.84),`
	`  longitudeOffset: new ArcSecond(-14.03),`
	`  geoidUndulation: new Metre(31.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (17)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 43°20'N to 44°N; 144°E to 145°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.98),`
	`  longitudeOffset: new ArcSecond(-14.33),`
	`  geoidUndulation: new Metre(32.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (18)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - north of 43°20'N; 145°E to 146°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.1),`
	`  longitudeOffset: new ArcSecond(-14.56),`
	`  geoidUndulation: new Metre(32.6)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (19)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°25'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.79),`
	`  longitudeOffset: new ArcSecond(-13),`
	`  geoidUndulation: new Metre(33.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (20)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.84),`
	`  longitudeOffset: new ArcSecond(-13.31),`
	`  geoidUndulation: new Metre(31.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (21)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.98),`
	`  longitudeOffset: new ArcSecond(-13.59),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (22)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.1),`
	`  longitudeOffset: new ArcSecond(-13.91),`
	`  geoidUndulation: new Metre(29.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (23)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 144°E to 145°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.17),`
	`  longitudeOffset: new ArcSecond(-14.27),`
	`  geoidUndulation: new Metre(31.3)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (24)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°40'N to 43°20'N; 145°E to 146°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.23),`
	`  longitudeOffset: new ArcSecond(-14.52),`
	`  geoidUndulation: new Metre(31.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (25)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - north of 42°N; west of 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.9),`
	`  longitudeOffset: new ArcSecond(-12.68),`
	`  geoidUndulation: new Metre(34.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (26)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°N to 42°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(8.99),`
	`  longitudeOffset: new ArcSecond(-12.8),`
	`  geoidUndulation: new Metre(34.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (27)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°N to 42°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9),`
	`  longitudeOffset: new ArcSecond(-13.07),`
	`  geoidUndulation: new Metre(31.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (28)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 42°N to 42°40'N; 142°E to 143°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.21),`
	`  longitudeOffset: new ArcSecond(-13.51),`
	`  geoidUndulation: new Metre(27.5)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (29)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - south of 42°40'N; 143°E to 144°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.33),`
	`  longitudeOffset: new ArcSecond(-13.66),`
	`  geoidUndulation: new Metre(23.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (30)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 41°20'N to 42°N; west of 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.25),`
	`  longitudeOffset: new ArcSecond(-12.72),`
	`  geoidUndulation: new Metre(34.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (31)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 41°20'N to 42°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.39),`
	`  longitudeOffset: new ArcSecond(-12.91),`
	`  geoidUndulation: new Metre(31.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (32)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°40'N to 41°20'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.55),`
	`  longitudeOffset: new ArcSecond(-12.63),`
	`  geoidUndulation: new Metre(35.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (33)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°40'N to 41°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.62),`
	`  longitudeOffset: new ArcSecond(-12.82),`
	`  geoidUndulation: new Metre(34.7)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (34)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°N to 40°48'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.81),`
	`  longitudeOffset: new ArcSecond(-12.29),`
	`  geoidUndulation: new Metre(36.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (35)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°N to 40°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.81),`
	`  longitudeOffset: new ArcSecond(-12.45),`
	`  geoidUndulation: new Metre(37.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (36)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 40°N to 40°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.92),`
	`  longitudeOffset: new ArcSecond(-12.79),`
	`  geoidUndulation: new Metre(38.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (37)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 39°20'N to 40°N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(9.91),`
	`  longitudeOffset: new ArcSecond(-12.21),`
	`  geoidUndulation: new Metre(36.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (38)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 39°20'N to 40°N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.08),`
	`  longitudeOffset: new ArcSecond(-12.35),`
	`  geoidUndulation: new Metre(39)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (39)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 39°20'N to 40°N; east of 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.19),`
	`  longitudeOffset: new ArcSecond(-12.74),`
	`  geoidUndulation: new Metre(40.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (40)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°40'N to 39°20'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.29),`
	`  longitudeOffset: new ArcSecond(-12.13),`
	`  geoidUndulation: new Metre(38.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (41)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°40'N to 39°20'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.33),`
	`  longitudeOffset: new ArcSecond(-12.27),`
	`  geoidUndulation: new Metre(40.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (42)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°40'N to 39°20'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.45),`
	`  longitudeOffset: new ArcSecond(-12.61),`
	`  geoidUndulation: new Metre(41.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (43)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°N to 38°40'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.54),`
	`  longitudeOffset: new ArcSecond(-11.96),`
	`  geoidUndulation: new Metre(39.1)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (44)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°N to 38°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.65),`
	`  longitudeOffset: new ArcSecond(-12.27),`
	`  geoidUndulation: new Metre(41.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (45)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 38°N to 38°40'N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.67),`
	`  longitudeOffset: new ArcSecond(-12.5),`
	`  geoidUndulation: new Metre(41.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (46)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.67),`
	`  longitudeOffset: new ArcSecond(-10.86),`
	`  geoidUndulation: new Metre(38.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (47)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.68),`
	`  longitudeOffset: new ArcSecond(-10.97),`
	`  geoidUndulation: new Metre(36)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (48)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.8),`
	`  longitudeOffset: new ArcSecond(-11.53),`
	`  geoidUndulation: new Metre(39.7)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (49)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.8),`
	`  longitudeOffset: new ArcSecond(-11.73),`
	`  geoidUndulation: new Metre(40.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (50)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.92),`
	`  longitudeOffset: new ArcSecond(-12.16),`
	`  geoidUndulation: new Metre(42.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (51)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 37°20'N to 38°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11),`
	`  longitudeOffset: new ArcSecond(-12.25),`
	`  geoidUndulation: new Metre(41.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (52)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.83),`
	`  longitudeOffset: new ArcSecond(-10.77),`
	`  geoidUndulation: new Metre(36.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (53)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.95),`
	`  longitudeOffset: new ArcSecond(-11),`
	`  geoidUndulation: new Metre(38.7)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (54)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(10.97),`
	`  longitudeOffset: new ArcSecond(-11.34),`
	`  geoidUndulation: new Metre(40.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (55)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.04),`
	`  longitudeOffset: new ArcSecond(-11.69),`
	`  geoidUndulation: new Metre(43.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (56)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°40'N to 37°20'N; east of 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.17),`
	`  longitudeOffset: new ArcSecond(-12.05),`
	`  geoidUndulation: new Metre(42.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (57)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; west of137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.11),`
	`  longitudeOffset: new ArcSecond(-10.59),`
	`  geoidUndulation: new Metre(37.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (58)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.16),`
	`  longitudeOffset: new ArcSecond(-10.97),`
	`  geoidUndulation: new Metre(40.3)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (59)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.29),`
	`  longitudeOffset: new ArcSecond(-11.23),`
	`  geoidUndulation: new Metre(42.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (60)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.36),`
	`  longitudeOffset: new ArcSecond(-11.59),`
	`  geoidUndulation: new Metre(42.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (61)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 36°N to 36°40'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.44),`
	`  longitudeOffset: new ArcSecond(-11.88),`
	`  geoidUndulation: new Metre(40.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (62)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.27),`
	`  longitudeOffset: new ArcSecond(-9.31),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (63)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.33),`
	`  longitudeOffset: new ArcSecond(-9.52),`
	`  geoidUndulation: new Metre(33.8)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (64)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.38),`
	`  longitudeOffset: new ArcSecond(-9.86),`
	`  geoidUndulation: new Metre(34.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (65)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.41),`
	`  longitudeOffset: new ArcSecond(-10.14),`
	`  geoidUndulation: new Metre(35.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (66)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.39),`
	`  longitudeOffset: new ArcSecond(-10.52),`
	`  geoidUndulation: new Metre(37.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (67)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.49),`
	`  longitudeOffset: new ArcSecond(-10.83),`
	`  geoidUndulation: new Metre(39.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (68)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.58),`
	`  longitudeOffset: new ArcSecond(-11.21),`
	`  geoidUndulation: new Metre(41.7)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (69)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.65),`
	`  longitudeOffset: new ArcSecond(-11.53),`
	`  geoidUndulation: new Metre(38.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (70)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 35°20'N to 36°N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.72),`
	`  longitudeOffset: new ArcSecond(-11.8),`
	`  geoidUndulation: new Metre(34.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (71)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.44),`
	`  longitudeOffset: new ArcSecond(-9.21),`
	`  geoidUndulation: new Metre(32.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (72)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.47),`
	`  longitudeOffset: new ArcSecond(-9.52),`
	`  geoidUndulation: new Metre(35.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (73)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.55),`
	`  longitudeOffset: new ArcSecond(-9.8),`
	`  geoidUndulation: new Metre(35.4)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (74)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40N' to 35°20'N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.61),`
	`  longitudeOffset: new ArcSecond(-10.12),`
	`  geoidUndulation: new Metre(35.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (75)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.66),`
	`  longitudeOffset: new ArcSecond(-10.47),`
	`  geoidUndulation: new Metre(37)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (76)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.78),`
	`  longitudeOffset: new ArcSecond(-10.79),`
	`  geoidUndulation: new Metre(39.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (77)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.85),`
	`  longitudeOffset: new ArcSecond(-11.13),`
	`  geoidUndulation: new Metre(39.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (78)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 139°E to 140°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.9),`
	`  longitudeOffset: new ArcSecond(-11.47),`
	`  geoidUndulation: new Metre(36.9)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (79)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°40'N to 35°20'N; 140°E to 141°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.91),`
	`  longitudeOffset: new ArcSecond(-11.69),`
	`  geoidUndulation: new Metre(33.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (80)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.65),`
	`  longitudeOffset: new ArcSecond(-8.59),`
	`  geoidUndulation: new Metre(29.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (81)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - north of 34°N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.68),`
	`  longitudeOffset: new ArcSecond(-8.8),`
	`  geoidUndulation: new Metre(30.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (82)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.73),`
	`  longitudeOffset: new ArcSecond(-9.04),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (83)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.72),`
	`  longitudeOffset: new ArcSecond(-9.48),`
	`  geoidUndulation: new Metre(35.1)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (84)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.81),`
	`  longitudeOffset: new ArcSecond(9.74),`
	`  geoidUndulation: new Metre(35.8)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (85)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.88),`
	`  longitudeOffset: new ArcSecond(-10.1),`
	`  geoidUndulation: new Metre(37.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (86)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.91),`
	`  longitudeOffset: new ArcSecond(-10.35),`
	`  geoidUndulation: new Metre(37.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (87)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 137°E to 138°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.9),`
	`  longitudeOffset: new ArcSecond(-10.7),`
	`  geoidUndulation: new Metre(39.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (88)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 34°N to 34°40'N; 138°E to 139°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.02),`
	`  longitudeOffset: new ArcSecond(-11.09),`
	`  geoidUndulation: new Metre(38.2)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (89)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 129°E to 130°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.87),`
	`  longitudeOffset: new ArcSecond(-8.23),`
	`  geoidUndulation: new Metre(29.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (90)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.84),`
	`  longitudeOffset: new ArcSecond(-8.44),`
	`  geoidUndulation: new Metre(30.6)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (91)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.94),`
	`  longitudeOffset: new ArcSecond(-8.71),`
	`  geoidUndulation: new Metre(30.2)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (92)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(11.99),`
	`  longitudeOffset: new ArcSecond(-9.02),`
	`  geoidUndulation: new Metre(30.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (93)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.05),`
	`  longitudeOffset: new ArcSecond(-9.36),`
	`  geoidUndulation: new Metre(35)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (94)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.1),`
	`  longitudeOffset: new ArcSecond(-9.64),`
	`  geoidUndulation: new Metre(35.5)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (95)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 135°E to 136°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.1),`
	`  longitudeOffset: new ArcSecond(-10.08),`
	`  geoidUndulation: new Metre(37.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (96)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 33°20'N to 34°N; 136°E to 137°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.07),`
	`  longitudeOffset: new ArcSecond(-10.25),`
	`  geoidUndulation: new Metre(37.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (97)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 129°E to 130°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12),`
	`  longitudeOffset: new ArcSecond(-8.15),`
	`  geoidUndulation: new Metre(32.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (98)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.06),`
	`  longitudeOffset: new ArcSecond(-8.38),`
	`  geoidUndulation: new Metre(31)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (99)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.17),`
	`  longitudeOffset: new ArcSecond(-8.69),`
	`  geoidUndulation: new Metre(30.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (100)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 132°E to 133°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.23),`
	`  longitudeOffset: new ArcSecond(-8.99),`
	`  geoidUndulation: new Metre(31.7)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (101)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 133°E to 134°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.21),`
	`  longitudeOffset: new ArcSecond(-9.21),`
	`  geoidUndulation: new Metre(34.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (102)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°40'N to 33°20'N; 134°E to 135°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.28),`
	`  longitudeOffset: new ArcSecond(-9.6),`
	`  geoidUndulation: new Metre(33.3)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (103)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°N to 32°40'N; 129°54'E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.28),`
	`  longitudeOffset: new ArcSecond(-8.25),`
	`  geoidUndulation: new Metre(31)`
	`)`

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Table 2 – continued from previous page

EPSG	PHPCoord

Name: Tokyo + JSLD height to WGS 84 (104)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 32°N to 32°40'N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.37),`
	`  longitudeOffset: new ArcSecond(-8.55),`
	`  geoidUndulation: new Metre(29.1)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (105)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 31°20'N to 32°N; 130°E to 131°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.53),`
	`  longitudeOffset: new ArcSecond(-8.21),`
	`  geoidUndulation: new Metre(31)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (106)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 31°20'N to 32°N; 131°E to 132°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.57),`
	`  longitudeOffset: new ArcSecond(-8.4),`
	`  geoidUndulation: new Metre(28.4)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (107)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - onshore mainland south of 31°20'N
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(12.71),`
	`  longitudeOffset: new ArcSecond(-8.17),`
	`  geoidUndulation: new Metre(29.9)`
	`)`

Name: Tokyo + JSLD height to WGS 84 (6)
Code: urn:ogc:def:coordinateOperation:EPS
Extent: Japan - 45°20'N to 46°N; 141°E to 142°E
	`$point->geographic2DWithHeightOffsets(`
	`  to: Geographic3D::fromSRID(Geographic3D::EPSG_`
	`↪WGS_84),`
	`  latitudeOffset: new ArcSecond(7.92),`
	`  longitudeOffset: new ArcSecond(-13.88),`
	`  geoidUndulation: new Metre(26.1)`
	`)`

1.13 Built in conversion methods

Tip: Unless you are trying to register a custom coordinate operation, you do not need to worry about these, they are very much in the realm of implementation detail. For normal use, refer to *Coordinate Conversions*.

Note: If you are interested in the full details (including formulas) for any particular method, please see the EPSG guidance notes

1.13.1 Abridged Molodensky

```
CoordinateOperationMethods::EPSG_ABRIDGED_MOLODENSKY
'urn:ogc:def:method:EPSG::9605'
```

1.13.2 Affine geometric transformation

```
CoordinateOperationMethods::EPSG_AFFINE_GEOMETRIC_TRANSFORMATION
'urn:ogc:def:method:EPSG::9623'
```

1.13.3 Affine parametric transformation

```
CoordinateOperationMethods::EPSG_AFFINE_PARAMETRIC_TRANSFORMATION
'urn:ogc:def:method:EPSG::9624'
```

1.13.4 Albers Equal Area

```
CoordinateOperationMethods::EPSG_ALBERS_EQUAL_AREA
'urn:ogc:def:method:EPSG::9822'
```

1.13.5 Alias

```
CoordinateOperationMethods::EPSG_ALIAS
'urn:ogc:def:method:EPSG::32768'
```

1.13.6 American Polyconic

```
CoordinateOperationMethods::EPSG_AMERICAN_POLYCONIC
'urn:ogc:def:method:EPSG::9818'
```

1.13.7 Axis Order Reversal (2D)

```
CoordinateOperationMethods::EPSG_AXIS_ORDER_REVERSAL_2D
'urn:ogc:def:method:EPSG::9843'
```

1.13.8 Axis Order Reversal (Geographic3D horizontal)

```
CoordinateOperationMethods::EPSG_AXIS_ORDER_REVERSAL_GEOGRAPHIC3D_HORIZONTAL
'urn:ogc:def:method:EPSG::9844'
```

1.13.9 Bonne

```
CoordinateOperationMethods::EPSG_BONNE
'urn:ogc:def:method:EPSG::9827'
```

1.13.10 Bonne (South Orientated)

```
CoordinateOperationMethods::EPSG_BONNE_SOUTH_ORIENTATED
'urn:ogc:def:method:EPSG::9828'
```

1.13.11 Cartesian Grid Offsets

```
CoordinateOperationMethods::EPSG_CARTESIAN_GRID_OFFSETS
'urn:ogc:def:method:EPSG::9656'
```

1.13.12 Cassini-Soldner

```
CoordinateOperationMethods::EPSG_CASSINI_SOLDNER
'urn:ogc:def:method:EPSG::9806'
```

1.13.13 Change of Vertical Unit

```
CoordinateOperationMethods::EPSG_CHANGE_OF_VERTICAL_UNIT
'urn:ogc:def:method:EPSG::1104'
```

1.13.14 Colombia Urban

```
CoordinateOperationMethods::EPSG_COLOMBIA_URBAN
'urn:ogc:def:method:EPSG::1052'
```

1.13.15 Complex polynomial of degree 3

```
CoordinateOperationMethods::EPSG_COMPLEX_POLYNOMIAL_OF_DEGREE_3
'urn:ogc:def:method:EPSG::9652'
```

1.13.16 Complex polynomial of degree 4

```
CoordinateOperationMethods::EPSG_COMPLEX_POLYNOMIAL_OF_DEGREE_4
'urn:ogc:def:method:EPSG::9653'
```

1.13.17 Coordinate Frame rotation (geocentric domain)

```
CoordinateOperationMethods::EPSG_COORDINATE_FRAME_ROTATION_GEOCENTRIC_DOMAIN
'urn:ogc:def:method:EPSG::1032'
```

1.13.18 Coordinate Frame rotation (geog2D domain)

```
CoordinateOperationMethods::EPSG_COORDINATE_FRAME_ROTATION_GEOG2D_DOMAIN
'urn:ogc:def:method:EPSG::9607'
```

1.13.19 Coordinate Frame rotation (geog3D domain)

```
CoordinateOperationMethods::EPSG_COORDINATE_FRAME_ROTATION_GEOG3D_DOMAIN
'urn:ogc:def:method:EPSG::1038'
```

1.13.20 Equal Earth

```
CoordinateOperationMethods::EPSG_EQUAL_EARTH
'urn:ogc:def:method:EPSG::1078'
```

1.13.21 Equidistant Conic

```
CoordinateOperationMethods::EPSG_EQUIDISTANT_CONIC
'urn:ogc:def:method:EPSG::1119'
```

1.13.22 Equidistant Cylindrical

```
CoordinateOperationMethods::EPSG_EQUIDISTANT_CYLINDRICAL
'urn:ogc:def:method:EPSG::1028'
```

1.13.23 Equidistant Cylindrical (Spherical)

```
CoordinateOperationMethods::EPSG_EQUIDISTANT_CYLINDRICAL_SPHERICAL
'urn:ogc:def:method:EPSG::1029'
```

1.13.24 General polynomial of degree 2

```
CoordinateOperationMethods::EPSG_GENERAL_POLYNOMIAL_OF_DEGREE_2
'urn:ogc:def:method:EPSG::9645'
```

1.13.25 General polynomial of degree 3

```
CoordinateOperationMethods::EPSG_GENERAL_POLYNOMIAL_OF_DEGREE_3
'urn:ogc:def:method:EPSG::9646'
```

1.13.26 General polynomial of degree 4

```
CoordinateOperationMethods::EPSG_GENERAL_POLYNOMIAL_OF_DEGREE_4
'urn:ogc:def:method:EPSG::9647'
```

1.13.27 General polynomial of degree 6

```
CoordinateOperationMethods::EPSG_GENERAL_POLYNOMIAL_OF_DEGREE_6
'urn:ogc:def:method:EPSG::9648'
```

1.13.28 Geocentric translation by Grid Interpolation (IGN)

```
CoordinateOperationMethods::EPSG_GEOCENTRIC_TRANSLATION_BY_GRID_INTERPOLATION_IGN
'urn:ogc:def:method:EPSG::1087'
```

1.13.29 Geocentric translations (geocentric domain)

```
CoordinateOperationMethods::EPSG_GEOCENTRIC_TRANSLATIONS_GEOCENTRIC_DOMAIN
'urn:ogc:def:method:EPSG::1031'
```

1.13.30 Geocentric translations (geog2D domain)

```
CoordinateOperationMethods::EPSG_GEOCENTRIC_TRANSLATIONS_GEOG2D_DOMAIN
'urn:ogc:def:method:EPSG::9603'
```

1.13.31 Geocentric translations (geog3D domain)

```
CoordinateOperationMethods::EPSG_GEOCENTRIC_TRANSLATIONS_GEOG3D_DOMAIN
'urn:ogc:def:method:EPSG::1035'
```

1.13.32 Geocentric/topocentric conversions

```
CoordinateOperationMethods::EPSG_GEOCENTRIC_TOPOCENTRIC_CONVERSIONS
'urn:ogc:def:method:EPSG::9836'
```

1.13.33 Geog3D to Geog2D+GravityRelatedHeight (AUSGeoidv2)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_AUSGEOIDV2
'urn:ogc:def:method:EPSG::1083'
```

1.13.34 Geog3D to Geog2D+GravityRelatedHeight (BEV AT)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_BEV_AT
'urn:ogc:def:method:EPSG::1089'
```

1.13.35 Geog3D to Geog2D+GravityRelatedHeight (EGM2008)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_EGM2008
'urn:ogc:def:method:EPSG::1092'
```

1.13.36 Geog3D to Geog2D+GravityRelatedHeight (Gravsoft)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_GRAVSOFT
'urn:ogc:def:method:EPSG::1093'
```

1.13.37 Geog3D to Geog2D+GravityRelatedHeight (IGN2009)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_IGN2009
'urn:ogc:def:method:EPSG::1095'
```

1.13.38 Geog3D to Geog2D+GravityRelatedHeight (ISG)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_ISG
'urn:ogc:def:method:EPSG::1118'
```

1.13.39 Geog3D to Geog2D+GravityRelatedHeight (ITAL2005)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_ITAL2005
'urn:ogc:def:method:EPSG::1105'
```

1.13.40 Geog3D to Geog2D+GravityRelatedHeight (NRCan byn)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_NRCAN_BYN
'urn:ogc:def:method:EPSG::1090'
```

1.13.41 Geog3D to Geog2D+GravityRelatedHeight (OSGM-GB)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_OSGM_GB
'urn:ogc:def:method:EPSG::1097'
```

1.13.42 Geog3D to Geog2D+GravityRelatedHeight (OSGM15-Ire)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_OSGM15_IRE
'urn:ogc:def:method:EPSG::1096'
```

1.13.43 Geog3D to Geog2D+GravityRelatedHeight (PL txt)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_PL_TXT
'urn:ogc:def:method:EPSG::1100'
```

1.13.44 Geog3D to Geog2D+GravityRelatedHeight (gtx)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_GTX
'urn:ogc:def:method:EPSG::1088'
```

1.13.45 Geog3D to Geog2D+GravityRelatedHeight (txt)

```
CoordinateOperationMethods::EPSG_GEOG3D_TO_GEOG2D_PLUS_GRAVITYRELATEDHEIGHT_TXT
'urn:ogc:def:method:EPSG::1098'
```

1.13.46 Geographic/geocentric conversions

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC_GEOCENTRIC_CONVERSIONS
'urn:ogc:def:method:EPSG::9602'
```

1.13.47 Geographic/topocentric conversions

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC_TOPOCENTRIC_CONVERSIONS
'urn:ogc:def:method:EPSG::9837'
```

1.13.48 Geographic2D offsets

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC2D_OFFSETS
'urn:ogc:def:method:EPSG::9619'
```

1.13.49 Geographic2D with Height Offsets

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC2D_WITH_HEIGHT_OFFSETS
'urn:ogc:def:method:EPSG::9618'
```

1.13.50 Geographic3D offsets

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_OFFSETS
'urn:ogc:def:method:EPSG::9660'
```

1.13.51 Geographic3D to 2D conversion

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_2D_CONVERSION
'urn:ogc:def:method:EPSG::9659'
```

1.13.52 Geographic3D to GravityRelatedHeight (AUSGeoid v2)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_AUSGEOID_V2
'urn:ogc:def:method:EPSG::1048'
```

1.13.53 Geographic3D to GravityRelatedHeight (BEV AT)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_BEV_AT
'urn:ogc:def:method:EPSG::1081'
```

1.13.54 Geographic3D to GravityRelatedHeight (EGM2008)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_EGM2008
'urn:ogc:def:method:EPSG::1025'
```

1.13.55 Geographic3D to GravityRelatedHeight (Gravsoft)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_GRAVSOFT
'urn:ogc:def:method:EPSG::1047'
```

1.13.56 Geographic3D to GravityRelatedHeight (IGN2009)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_IGN2009
'urn:ogc:def:method:EPSG::1073'
```

1.13.57 Geographic3D to GravityRelatedHeight (ISG)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_ISG
'urn:ogc:def:method:EPSG::1117'
```

1.13.58 Geographic3D to GravityRelatedHeight (ITAL2005)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_ITAL2005
'urn:ogc:def:method:EPSG::1106'
```

1.13.59 Geographic3D to GravityRelatedHeight (NRCan byn)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_NRCAN_BYN
'urn:ogc:def:method:EPSG::1060'
```

1.13.60 Geographic3D to GravityRelatedHeight (NZgeoid)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_NZGEOID
'urn:ogc:def:method:EPSG::1030'
```

1.13.61 Geographic3D to GravityRelatedHeight (OSGM-GB)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_OSGM_GB
'urn:ogc:def:method:EPSG::9663'
```

1.13.62 Geographic3D to GravityRelatedHeight (OSGM15-Ire)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_OSGM15_IRE
'urn:ogc:def:method:EPSG::1072'
```

1.13.63 Geographic3D to GravityRelatedHeight (PL txt)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_PL_TXT
'urn:ogc:def:method:EPSG::1099'
```

1.13.64 Geographic3D to GravityRelatedHeight (PNG)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_PNG
'urn:ogc:def:method:EPSG::1059'
```

1.13.65 Geographic3D to GravityRelatedHeight (gtx)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_GTX
'urn:ogc:def:method:EPSG::9665'
```

1.13.66 Geographic3D to GravityRelatedHeight (txt)

```
CoordinateOperationMethods::EPSG_GEOGRAPHIC3D_TO_GRAVITYRELATEDHEIGHT_TXT
'urn:ogc:def:method:EPSG::1082'
```

1.13.67 Guam Projection

```
CoordinateOperationMethods::EPSG_GUAM_PROJECTION
'urn:ogc:def:method:EPSG::9831'
```

1.13.68 Height Depth Reversal

```
CoordinateOperationMethods::EPSG_HEIGHT_DEPTH_REVERSAL
'urn:ogc:def:method:EPSG::1068'
```

1.13.69 Hotine Oblique Mercator (variant A)

```
CoordinateOperationMethods::EPSG_HOTINE_OBLIQUE_MERCATOR_VARIANT_A
'urn:ogc:def:method:EPSG::9812'
```

1.13.70 Hotine Oblique Mercator (variant B)

```
CoordinateOperationMethods::EPSG_HOTINE_OBLIQUE_MERCATOR_VARIANT_B
'urn:ogc:def:method:EPSG::9815'
```

1.13.71 Hyperbolic Cassini-Soldner

```
CoordinateOperationMethods::EPSG_HYPERBOLIC_CASSINI_SOLDNER
'urn:ogc:def:method:EPSG::9833'
```

1.13.72 Krovak

```
CoordinateOperationMethods::EPSG_KROVAK
'urn:ogc:def:method:EPSG::9819'
```

1.13.73 Krovak (North Orientated)

```
CoordinateOperationMethods::EPSG_KROVAK_NORTH_ORIENTATED
'urn:ogc:def:method:EPSG::1041'
```

1.13.74 Krovak Modified

```
CoordinateOperationMethods::EPSG_KROVAK_MODIFIED
'urn:ogc:def:method:EPSG::1042'
```

1.13.75 Krovak Modified (North Orientated)

```
CoordinateOperationMethods::EPSG_KROVAK_MODIFIED_NORTH_ORIENTATED
'urn:ogc:def:method:EPSG::1043'
```

1.13.76 Laborde Oblique Mercator

```
CoordinateOperationMethods::EPSG_LABORDE_OBLIQUE_MERCATOR
'urn:ogc:def:method:EPSG::9813'
```

1.13.77 Lambert Azimuthal Equal Area

```
CoordinateOperationMethods::EPSG_LAMBERT_AZIMUTHAL_EQUAL_AREA
'urn:ogc:def:method:EPSG::9820'
```

1.13.78 Lambert Azimuthal Equal Area (Spherical)

```
CoordinateOperationMethods::EPSG_LAMBERT_AZIMUTHAL_EQUAL_AREA_SPHERICAL
'urn:ogc:def:method:EPSG::1027'
```

1.13.79 Lambert Conic Conformal (1SP variant B)

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_CONFORMAL_1SP_VARIANT_B
'urn:ogc:def:method:EPSG::1102'
```

1.13.80 Lambert Conic Conformal (1SP)

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_CONFORMAL_1SP
'urn:ogc:def:method:EPSG::9801'
```

1.13.81 Lambert Conic Conformal (2SP Belgium)

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_CONFORMAL_2SP_BELGIUM
'urn:ogc:def:method:EPSG::9803'
```

1.13.82 Lambert Conic Conformal (2SP Michigan)

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_CONFORMAL_2SP_MICHIGAN
'urn:ogc:def:method:EPSG::1051'
```

1.13.83 Lambert Conic Conformal (2SP)

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_CONFORMAL_2SP
'urn:ogc:def:method:EPSG::9802'
```

1.13.84 Lambert Conic Conformal (West Orientated)

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_CONFORMAL_WEST_ORIENTATED
'urn:ogc:def:method:EPSG::9826'
```

1.13.85 Lambert Conic Near-Conformal

```
CoordinateOperationMethods::EPSG_LAMBERT_CONIC_NEAR_CONFORMAL
'urn:ogc:def:method:EPSG::9817'
```

1.13.86 Lambert Cylindrical Equal Area

```
CoordinateOperationMethods::EPSG_LAMBERT_CYLINDRICAL_EQUAL_AREA
'urn:ogc:def:method:EPSG::9835'
```

1.13.87 Lambert Cylindrical Equal Area (Spherical)

```
CoordinateOperationMethods::EPSG_LAMBERT_CYLINDRICAL_EQUAL_AREA_SPHERICAL
'urn:ogc:def:method:EPSG::9834'
```

1.13.88 Longitude rotation

```
CoordinateOperationMethods::EPSG_LONGITUDE_ROTATION
'urn:ogc:def:method:EPSG::9601'
```

1.13.89 Madrid to ED50 polynomial

```
CoordinateOperationMethods::EPSG_MADRID_TO_ED50_POLYNOMIAL
'urn:ogc:def:method:EPSG::9617'
```

1.13.90 Mercator (Spherical)

```
CoordinateOperationMethods::EPSG_MERCATOR_SPHERICAL
'urn:ogc:def:method:EPSG::1026'
```

1.13.91 Mercator (variant A)

```
CoordinateOperationMethods::EPSG_MERCATOR_VARIANT_A
'urn:ogc:def:method:EPSG::9804'
```

1.13.92 Mercator (variant B)

```
CoordinateOperationMethods::EPSG_MERCATOR_VARIANT_B
'urn:ogc:def:method:EPSG::9805'
```

1.13.93 Mercator (variant C)

```
CoordinateOperationMethods::EPSG_MERCATOR_VARIANT_C
'urn:ogc:def:method:EPSG::1108'
```

1.13.94 Modified Azimuthal Equidistant

```
CoordinateOperationMethods::EPSG_MODIFIED_AZIMUTHAL_EQUIDISTANT
'urn:ogc:def:method:EPSG::9832'
```

1.13.95 Molodensky

```
CoordinateOperationMethods::EPSG_MOLODENSKY
'urn:ogc:def:method:EPSG::9604'
```

1.13.96 Molodensky-Badekas (CF geocentric domain)

```
CoordinateOperationMethods::EPSG_MOLODENSKY_BADEKAS_CF_GEOCENTRIC_DOMAIN
'urn:ogc:def:method:EPSG::1034'
```

1.13.97 Molodensky-Badekas (CF geog2D domain)

```
CoordinateOperationMethods::EPSG_MOLODENSKY_BADEKAS_CF_GEOG2D_DOMAIN
'urn:ogc:def:method:EPSG::9636'
```

1.13.98 Molodensky-Badekas (CF geog3D domain)

```
CoordinateOperationMethods::EPSG_MOLODENSKY_BADEKAS_CF_GEOG3D_DOMAIN
'urn:ogc:def:method:EPSG::1039'
```

1.13.99 Molodensky-Badekas (PV geocentric domain)

```
CoordinateOperationMethods::EPSG_MOLODENSKY_BADEKAS_PV_GEOCENTRIC_DOMAIN
'urn:ogc:def:method:EPSG::1061'
```

1.13.100 Molodensky-Badekas (PV geog2D domain)

```
CoordinateOperationMethods::EPSG_MOLODENSKY_BADEKAS_PV_GEOG2D_DOMAIN
'urn:ogc:def:method:EPSG::1063'
```

1.13.101 Molodensky-Badekas (PV geog3D domain)

```
CoordinateOperationMethods::EPSG_MOLODENSKY_BADEKAS_PV_GEOG3D_DOMAIN
'urn:ogc:def:method:EPSG::1062'
```

1.13.102 NADCON5 (2D)

```
CoordinateOperationMethods::EPSG_NADCON5_2D
'urn:ogc:def:method:EPSG::1074'
```

1.13.103 NADCON5 (3D)

```
CoordinateOperationMethods::EPSG_NADCON5_3D
'urn:ogc:def:method:EPSG::1075'
```

1.13.104 NTv2

```
CoordinateOperationMethods::EPSG_NTV2
'urn:ogc:def:method:EPSG::9615'
```

1.13.105 New Zealand Map Grid

```
CoordinateOperationMethods::EPSG_NEW_ZEALAND_MAP_GRID
'urn:ogc:def:method:EPSG::9811'
```

1.13.106 Oblique Stereographic

```
CoordinateOperationMethods::EPSG_OBLIQUE_STEREOGRAPHIC
'urn:ogc:def:method:EPSG::9809'
```

1.13.107 Ordnance Survey National Transformation

```
CoordinateOperationMethods::EPSG_ORDNANCE_SURVEY_NATIONAL_TRANSFORMATION
'urn:ogc:def:method:EPSG::9633'
```

1.13.108 Orthographic

```
CoordinateOperationMethods::EPSG_ORTHOGRAPHIC
'urn:ogc:def:method:EPSG::9840'
```

1.13.109 Point motion (ellipsoidal)

```
CoordinateOperationMethods::EPSG_POINT_MOTION_ELLIPSOIDAL
'urn:ogc:def:method:EPSG::1067'
```

1.13.110 Point motion (geocen) by grid (INADEFORM)

```
CoordinateOperationMethods::EPSG_POINT_MOTION_GEOCEN_BY_GRID_INADEFORM
'urn:ogc:def:method:EPSG::1086'
```

1.13.111 Point motion (geocentric Cartesian)

```
CoordinateOperationMethods::EPSG_POINT_MOTION_GEOCENTRIC_CARTESIAN
'urn:ogc:def:method:EPSG::1064'
```

1.13.112 Polar Stereographic (variant A)

```
CoordinateOperationMethods::EPSG_POLAR_STEREOGRAPHIC_VARIANT_A
'urn:ogc:def:method:EPSG::9810'
```

1.13.113 Polar Stereographic (variant B)

```
CoordinateOperationMethods::EPSG_POLAR_STEREOGRAPHIC_VARIANT_B
'urn:ogc:def:method:EPSG::9829'
```

1.13.114 Polar Stereographic (variant C)

```
CoordinateOperationMethods::EPSG_POLAR_STEREOGRAPHIC_VARIANT_C
'urn:ogc:def:method:EPSG::9830'
```

1.13.115 Popular Visualisation Pseudo Mercator

```
CoordinateOperationMethods::EPSG_POPULAR_VISUALISATION_PSEUDO_MERCATOR
'urn:ogc:def:method:EPSG::1024'
```

1.13.116 Position Vector transformation (geocentric domain)

```
CoordinateOperationMethods::EPSG_POSITION_VECTOR_TRANSFORMATION_GEOCENTRIC_DOMAIN
'urn:ogc:def:method:EPSG::1033'
```

1.13.117 Position Vector transformation (geog2D domain)

```
CoordinateOperationMethods::EPSG_POSITION_VECTOR_TRANSFORMATION_GEOG2D_DOMAIN
'urn:ogc:def:method:EPSG::9606'
```

1.13.118 Position Vector transformation (geog3D domain)

```
CoordinateOperationMethods::EPSG_POSITION_VECTOR_TRANSFORMATION_GEOG3D_DOMAIN
'urn:ogc:def:method:EPSG::1037'
```

1.13.119 Pseudo Plate Carree

```
CoordinateOperationMethods::EPSG_PSEUDO_PLATE_CARREE
'urn:ogc:def:method:EPSG::9825'
```

1.13.120 Reversible polynomial of degree 13

```
CoordinateOperationMethods::EPSG_REVERSIBLE_POLYNOMIAL_OF_DEGREE_13
'urn:ogc:def:method:EPSG::9654'
```

1.13.121 Reversible polynomial of degree 2

```
CoordinateOperationMethods::EPSG_REVERSIBLE_POLYNOMIAL_OF_DEGREE_2
'urn:ogc:def:method:EPSG::9649'
```

1.13.122 Reversible polynomial of degree 3

```
CoordinateOperationMethods::EPSG_REVERSIBLE_POLYNOMIAL_OF_DEGREE_3
'urn:ogc:def:method:EPSG::9650'
```

1.13.123 Reversible polynomial of degree 4

```
CoordinateOperationMethods::EPSG_REVERSIBLE_POLYNOMIAL_OF_DEGREE_4
'urn:ogc:def:method:EPSG::9651'
```

1.13.124 Similarity transformation

```
CoordinateOperationMethods::EPSG_SIMILARITY_TRANSFORMATION
'urn:ogc:def:method:EPSG::9621'
```

1.13.125 Swiss Oblique Cylindrical

```
CoordinateOperationMethods::EPSG_SWISS_OBLIQUE_CYLINDRICAL
'urn:ogc:def:method:EPSG::9814'
```

1.13.126 Time-dependent Coordinate Frame rotation (geocen)

```
CoordinateOperationMethods::EPSG_TIME_DEPENDENT_COORDINATE_FRAME_ROTATION_GEOCEN
'urn:ogc:def:method:EPSG::1056'
```

1.13.127 Time-dependent Coordinate Frame rotation (geog2D)

```
CoordinateOperationMethods::EPSG_TIME_DEPENDENT_COORDINATE_FRAME_ROTATION_GEOG2D
'urn:ogc:def:method:EPSG::1057'
```

1.13.128 Time-dependent Coordinate Frame rotation (geog3D)

```
CoordinateOperationMethods::EPSG_TIME_DEPENDENT_COORDINATE_FRAME_ROTATION_GEOG3D
'urn:ogc:def:method:EPSG::1058'
```

1.13.129 Time-dependent Position Vector tfm (geocentric)

```
CoordinateOperationMethods::EPSG_TIME_DEPENDENT_POSITION_VECTOR_TFM_GEOCENTRIC
'urn:ogc:def:method:EPSG::1053'
```

1.13.130 Time-dependent Position Vector tfm (geog2D)

```
CoordinateOperationMethods::EPSG_TIME_DEPENDENT_POSITION_VECTOR_TFM_GEOG2D
'urn:ogc:def:method:EPSG::1054'
```

1.13.131 Time-dependent Position Vector tfm (geog3D)

```
CoordinateOperationMethods::EPSG_TIME_DEPENDENT_POSITION_VECTOR_TFM_GEOG3D
'urn:ogc:def:method:EPSG::1055'
```

1.13.132 Time-specific Coordinate Frame rotation (geocen)

```
CoordinateOperationMethods::EPSG_TIME_SPECIFIC_COORDINATE_FRAME_ROTATION_GEOCEN
'urn:ogc:def:method:EPSG::1066'
```

1.13.133 Time-specific Position Vector transform (geocen)

```
CoordinateOperationMethods::EPSG_TIME_SPECIFIC_POSITION_VECTOR_TRANSFORM_GEOCEN
'urn:ogc:def:method:EPSG::1065'
```

1.13.134 Transverse Mercator

```
CoordinateOperationMethods::EPSG_TRANSVERSE_MERCATOR
'urn:ogc:def:method:EPSG::9807'
```

1.13.135 Transverse Mercator (South Orientated)

```
CoordinateOperationMethods::EPSG_TRANSVERSE_MERCATOR_SOUTH_ORIENTATED
'urn:ogc:def:method:EPSG::9808'
```

1.13.136 Transverse Mercator 3D

```
CoordinateOperationMethods::EPSG_TRANSVERSE_MERCATOR_3D
'urn:ogc:def:method:EPSG::1111'
```

1.13.137 Transverse Mercator Zoned Grid System

```
CoordinateOperationMethods::EPSG_TRANSVERSE_MERCATOR_ZONED_GRID_SYSTEM
'urn:ogc:def:method:EPSG::9824'
```

1.13.138 Vertical Offset

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET
'urn:ogc:def:method:EPSG::9616'
```

1.13.139 Vertical Offset and Slope

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_AND_SLOPE
'urn:ogc:def:method:EPSG::1046'
```

1.13.140 Vertical Offset by Grid Interpolation (BEV AT)

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_BY_GRID_INTERPOLATION_BEV_AT
'urn:ogc:def:method:EPSG::1080'
```

1.13.141 Vertical Offset by Grid Interpolation (NZLVD)

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_BY_GRID_INTERPOLATION_NZLVD
'urn:ogc:def:method:EPSG::1071'
```

1.13.142 Vertical Offset by Grid Interpolation (PL txt)

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_BY_GRID_INTERPOLATION_PL_TXT
'urn:ogc:def:method:EPSG::1101'
```

1.13.143 Vertical Offset by Grid Interpolation (VERTCON)

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_BY_GRID_INTERPOLATION_VERTCON
'urn:ogc:def:method:EPSG::9658'
```

1.13.144 Vertical Offset by Grid Interpolation (asc)

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_BY_GRID_INTERPOLATION_ASC
'urn:ogc:def:method:EPSG::1085'
```

1.13.145 Vertical Offset by Grid Interpolation (gtx)

```
CoordinateOperationMethods::EPSG_VERTICAL_OFFSET_BY_GRID_INTERPOLATION_GTX
'urn:ogc:def:method:EPSG::1084'
```

1.13.146 Vertical Perspective

```
CoordinateOperationMethods::EPSG_VERTICAL_PERSPECTIVE
'urn:ogc:def:method:EPSG::9838'
```

1.13.147 Vertical Perspective (Orthographic case)

```
CoordinateOperationMethods::EPSG_VERTICAL_PERSPECTIVE_ORTHOGRAPHIC_CASE
'urn:ogc:def:method:EPSG::9839'
```

1.13.148 Vertical change by geoid grid difference (NRCan)

```
CoordinateOperationMethods::EPSG_VERTICAL_CHANGE_BY_GEOID_GRID_DIFFERENCE_NRCAN
'urn:ogc:def:method:EPSG::1126'
```

1.13.149 Zero-tide height to mean-tide height (EVRF2019)

```
CoordinateOperationMethods::EPSG_ZERO_TIDE_HEIGHT_TO_MEAN_TIDE_HEIGHT_EVRF2019
'urn:ogc:def:method:EPSG::1107'
```

1.14 Custom coordinate systems

Note: In ISO 19111 terminology, what most people refer to as a *Coordinate System* is actually called a *Coordinate Reference System* (or *CRS* for short), with the term *Coordinate System* being used to refer to the *axes used*. PHPCoord's actual code uses the ISO naming system.

To make use of a custom CRS, all you need to do is register it. Once registered, your custom system can be used exactly like any other built into PHPCoord. To register, call the appropriate registration function:

```
PHPCoord\CoordinateReferenceSystem\Geocentric::registerCustomCRS(
    string $srid,
    string $name,
    string $coordinateSystemSrid,
    string $datumSrid,
    BoundingArea $extent
);

PHPCoord\CoordinateReferenceSystem\Geographic2D::registerCustomCRS(
    string $srid,
    string $name,
    string $coordinateSystemSrid,
    string $datumSrid,
    BoundingArea $extent,
    ?string $baseCRS
```

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```
);

PHPCoord\CoordinateReferenceSystem\Geographic3D::registerCustomCRS(
    string $srid,
    string $name,
    string $coordinateSystemSrid,
    string $datumSrid,
    BoundingArea $extent,
    ?string $baseCRS
);

PHPCoord\CoordinateReferenceSystem\Projected::registerCustomCRS(
    string $srid,
    string $name,
    string $baseCRS,
    string $derivingConversionSrid,
    string $coordinateSystemSrid,
    BoundingArea $extent
);

PHPCoord\CoordinateReferenceSystem\Vertical::registerCustomCRS(
    string $srid,
    string $name,
    string $coordinateSystemSrid,
    string $datumSrid,
    BoundingArea $extent
);
```

For example

```
<?php
namespace YourApp\Geo;
use PHPCoord\CoordinateSystem\Geographic;
use PHPCoord\CoordinateReferenceSystem\Geographic2D;
use PHPCoord\Datum\Datum;
use PHPCoord\Geometry\BoundingArea;
use PHPCoord\Geometry\RegionMap;

$boundingArea = BoundingArea::createFromArray(
    [
        [
            [
                [93.41, -60.55], [93.41, -8.47], [173.34, -8.47], [173.34, -60.55], [93.
↪41, -60.55]
            ]
        ]
    ]
    RegionMap::REGION_OCEANIA
);

Geographic2D::registerCustomCRS(
    'urn:yourcompany:geo:crs:GDA2020-lon-lat',
```

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```
    'GDA2020 (in lon-lat order)',
    Ellipsoidal::fromSRID(
        Ellipsoidal::EPSG_2D_AXES_LONGITUDE_LATITUDE_ORIENTATIONS_EAST_NORTH_UOM_DEGREE
    ),
    Datum::fromSRID(
        Datum::EPSG_GEOCENTRIC_DATUM_OF_AUSTRALIA_2020
    ),
    $boundingArea
);
```

Note: If defining a custom projected CRS, you must specify the SRID of the conversion to/from the base CRS. Although you *can* specify the SRID of a built-in conversion, please note that unlike CRSs, the set of conversions built in to PHPCoord is considered an implementation detail and although stable in practice, stability is not guaranteed. Consider duplicating the one you need and registering it as a custom operation to avoid this risk.

Tip: A SRID (spatial reference identifier), is a just a unique string that can be used to identify the specific CRS or other geospatial type in question. The PHPCoord built-in systems all use an URN for this purpose, but you can use anything you like as long as it is unique.

1.15 Custom conversions

Note: In ISO 19111 terminology, when converting points between one CRS and another, a distinction is drawn between a conversion and a transformation. PHPCoord uses the words interchangeably.

In addition to simply *invoking a particular coordinate conversion method with the parameters of your choice*, PHPCoord also supports registering a custom conversion so that you can *use easy mode* thereafter.

Adding a custom coordinate transformation to PHPCoord is a 2-step process. Step 1 is to register the *coordinate operation* within the system. A coordinate operation is the combination of the conversion method (e.g. Transverse Mercator or Molodensky-Badekas, together any parameters that particular formula requires). Step 2 is to register that particular coordinate operation as a way to transform 1 CRS to another.

The reason for the 2-step process is because the same method/parameters are often used across multiple different CRS pairs - e.g. the projection method and params for any particular US State Plane conversion remain constant across NAD83 revisions. Keeping this conceptual separation even for custom conversions helps to keep PHPCoord internals clean.

```
// step 1, register an operation

PHPCoord\CoordinateOperation\CoordinateOperations::registerCustomOperation(
    string $srid,
    string $name,
    string $methodSrid,
    BoundingArea $extent,
    array $params
);
```

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```
// step 2, register that operation as a way to convert between 2 CRSs

PHPCoord\CoordinateOperation\CoordinateOperations::registerCustomTransformation(
    string $operationSrid,
    string $name,
    string $sourceCRSSrid,
    string $targetCRSSrid,
    float $accuracy // in metres, used by easy-mode conversion to pick the most accurate␣
↪option available
);
```

For example, to construct a conversion to a hypothetical GDA2020 with Sydney Opera House as the prime meridian rather than Greenwich:

```
<?php
namespace YourApp\Geo;
use PHPCoord\CoordinateOperation\CoordinateOperationMethods;
use PHPCoord\CoordinateOperation\CoordinateOperations;
use PHPCoord\CoordinateReferenceSystem\Geographic2D;
use PHPCoord\Geometry\BoundingArea;
use PHPCoord\Geometry\RegionMap;

// step 1, register an operation
$boundingArea = BoundingArea::createFromArray(
    [
        [
            [
                [93.41, -60.55], [93.41, -8.47], [173.34, -8.47], [173.34, -60.55], [93.
↪41, -60.55]
            ]
        ]
    ]
    RegionMap::REGION_OCEANIA
);

CoordinateOperations::registerCustomOperation(
    'urn:yourcompany:geo:coordinateOperation:GDA2020-greenwich-sydney',
    'GDA2020 (Greenwich) to GDA2020 (Sydney)',
    CoordinateOperationMethods::EPSG_LONGITUDE_ROTATION,
    $boundingArea,
    [
        'longitudeOffset' => new Degree(-151.214167),
    ]
);

// step 2, register that operation as a way to convert between 2 CRSs
CoordinateOperations::registerCustomTransformation(
    'urn:yourcompany:geo:coordinateOperation:GDA2020-greenwich-sydney',
    'GDA2020 (Greenwich) to GDA2020 (Sydney)',
    Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),
    'urn:yourcompany:geo:crs:GDA2020-sydney',
    0.0
```

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```
);

// step 3, use it
$from = GeographicPoint::create(
    Geographic2D::fromSRID(Geographic2D::EPSG_GDA2020),
    new Degree(-33.858611),
    new Degree(151.214167)
);
$to = $from->convert(
    Geographic2D::fromSRID('urn:yourcompany:geo:crs:GDA2020-sydney')
);

$latitude = $point->getLatitude(); // -33.858611
$longitude = $point->getLongitude(); // 0.0
```

Tip: A SRID (spatial reference identifier), is a just a unique string that can be used to identify the specific CRS or other geospatial type in question. The PHPCoord built-in systems all use an URN for this purpose, but you can use anything you like as long as it is unique.

1.16 Custom datums

To make use of a custom datum, all you need to do is register it. Once registered, your custom datum can be used exactly like any other built into PHPCoord. To register, call:

`PHPCoord\Datum\Datum::registerCustomDatum(string $srid, string $name, string $type, ?string $ellipsoidSrid, ?string $primeMeridianSrid, ?DateTimeInterface $frameReferenceEpoch)`

where `$type` is one of `Datum::DATUM_TYPE_GEODETIC`, `Datum::DATUM_TYPE_DYNAMIC_GEODETIC`, or `Datum::DATUM_TYPE_VERTICAL`

```
<?php
namespace YourApp\Geo;
use PHPCoord\Datum\Datum;
use PHPCoord\Datum\Ellipsoid;
use PHPCoord\Datum\PrimeMeridian;

Datum::registerCustomDatum(
    'urn:yourcompany:geo:datum:WGS84-Athens',
    'WGS 84 (Athens)',
    Datum::DATUM_TYPE_GEODETIC,
    Ellipsoid::EPSG_WGS_84,
    PrimeMeridian::EPSG_ATHENS
);
$datum = Datum::fromSRID('urn:yourcompany:geo:datum:WGS84-Athens');
```

Tip: A SRID (spatial reference identifier), is a just a unique string that can be used to identify the specific datum or other geospatial type in question. The PHPCoord built-in datums all use an URN for this purpose, but you can use

anything you like as long as it is unique.

1.17 Custom ellipsoids

To make use of a custom ellipsoid, all you need to do is register it. Once registered, your custom ellipsoid can be used exactly like any other built into PHPCoord. To register, call:

`PHPCoord\Datum\Ellipsoid::registerCustomEllipsoid(string $srid, string $name, Length $semiMajorAxis, Length $semiMinorAxis)`

```php
<?php
namespace YourApp\Geo;
use PHPCoord\UnitOfMeasure\Length\Metre;
use PHPCoord\Datum\Ellipsoid;

$semiMajorAxis = new Metre(6378137.0); // any Length unit is acceptable
$semiMinorAxis = new Metre(6356752.314); // any Length unit is acceptable

/*
 * Some ellipsoids are defined by a semi-major axis and their flattening, rather than by a combination
 * of a semi-major and semi-minor axis. If this is your situation, you will need to calculate the
 * semi-minor axis yourself, this can be done via the formula below.
 */
$semiMinorAxis = $semiMajorAxis - ($semiMajorAxis / $inverseFlattening);

Ellipsoid::registerCustomEllipsoid('urn:yourcompany:geo:datum:FOO123', 'FOO-123', $semiMajorAxis, $semiMinorAxis);
$ellipsoid = Ellipsoid::fromSRID('urn:yourcompany:geo:datum:FOO123');
```

Tip: A SRID (spatial reference identifier), is a just a unique string that can be used to identify the specific ellipsoid in question. The PHPCoord built-in ellipsoids all use an URN for this purpose, but you can use anything you like as long as it is unique.

1.18 Custom prime meridians

To make use of a custom prime meridian, all you need to do is register it. Once registered, your custom meridian can be used exactly like any other built into PHPCoord. To register, call:

`PHPCoord\Datum\PrimeMeridian::registerCustomMeridian(string $srid, string $name, Angle $longitudeFromGreenwich)`

```php
<?php
namespace YourApp\Geo;
use PHPCoord\UnitOfMeasure\Angle\Degree;
use PHPCoord\Datum\PrimeMeridian;
```

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```
$longitudeFromGreenwich = new Degree(-6.260278); // any Angle unit is acceptable

PrimeMeridian::registerCustomMeridian('urn:yourcompany:geo:datum:dublin', 'Dublin',
↪$longitudeFromGreenwich);

$meridian = PrimeMeridian::fromSRID('urn:yourcompany:geo:datum:dublin');
```

Tip: A SRID (spatial reference identifier), is a just a unique string that can be used to identify the specific meridian in question. The PHPCoord built-in meridians all use an URN for this purpose, but you can use anything you like as long as it is unique.

1.19 Custom units of measure

Coordinates have many different types of unit e.g. latitudes are angles, but eastings are lengths.

There are also many different units in use across the world and across history, for instance most current mapping uses the metre for lengths, but older mapping often used feet or yards.

To avoid confusion about what any given number is intended to represent, all units in PHPCoord are typed as value objects.

In addition to the many built-in units, you can also register and make use of custom units. To do this, first create an implementation class for your unit that extends one of the following base classes:

- `PHPCoord\UnitOfMeasure\Angle\Angle`
- `PHPCoord\UnitOfMeasure\Length\Length`
- `PHPCoord\UnitOfMeasure\Scale\Scale`
- `PHPCoord\UnitOfMeasure\Time\Time`

Tip: You only have to implement 4 required methods. All `UnitOfMeasure` require implementations of `__construct()`, `getUnitName()` and `getValue()`. There is then 1 additional method that is specific to each type of unit, e.g. a custom `Angle` type would be required to implement an `asRadians()` method. Your IDE will guide you through what is required, although of course you may reference the existing units as a guide.

Then register it, by calling the appropriate registration function:

```
PHPCoord\UnitOfMeasure\Angle\Angle::registerCustomUnit(
    string $srid,
    string $name,
    string $implementingClassFQCN
);

PHPCoord\UnitOfMeasure\Length\Length::registerCustomUnit(
    string $srid,
    string $name,
    string $implementingClassFQCN
);
```

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```
PHPCoord\UnitOfMeasure\Scale\Scale::registerCustomUnit(
    string $srid,
    string $name,
    string $implementingClassFQCN
);

PHPCoord\UnitOfMeasure\Time\Time::registerCustomUnit(
    string $srid,
    string $name,
    string $implementingClassFQCN
);
```

Once registered, your custom unit can be used exactly like any other built into PHPCoord.

Tip: A SRID (spatial reference identifier), is a just a unique string that can be used to identify the specific unit in question. The PHPCoord built-in units all use an URN for this purpose, but you can use anything you like as long as it is unique. For a unit, this might include reusing the FQCN.

For example, a custom `HalfKilometre` unit, could be implemented like this:

```php
<?php
namespace YourApp\Geo\Units;

use PHPCoord\UnitOfMeasure\Length\Length;

class HalfKilometre extends Length {

    public const SRID = 'urn:yourcompany:geo:uom:halfkm';

    private float $length;

    public function __construct(float $length)
    {
        $this->length = $length;
    }

    public function asMetres(): Metre
    {
        return new Metre($this->length * 500);
    }

    public function getValue(): float
    {
        return $this->length;
    }

    public function getUnitName(): string
    {
        return 'Half-kilometre';
    }
}
```

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```
Length::registerCustomUnit(HalfKilometre::SRID, 'Half-kilometre', HalfKilometre::class);

$value = new HalfKilometre(123);
// or
$value = Angle::makeUnit(123, HalfKilometre::SRID);
```

1.20 Changelog

1.20.1 Unreleased

Changed

- Updates to data for Czechia, Denmark, ETRS89, Portugal and St Helena
- Minimum PHP version increased to 8.1

1.20.2 5.8.0 - 2024-02-03

Added

- Support for compressed grid files to reduce distribution sizes

1.20.3 5.7.0 - 2024-01-27

Changed

- Updates to data for Canada, Denmark, France, Germany and USA
- More aggressive buffering of extent polygons

1.20.4 5.6.0 - 2023-09-30

Changed

- Updates to data for Australia, Austria, Canada, Germany, Italy, Netherlands, Portugal, South Korea, UK and USA

1.20.5 5.5.0 - 2023-07-07

Added

- Support for Lambert Cylindrical Equal Area (Spherical) projection

Changed

- Infer a current epoch when doing time-dependant transforms and no explicit epoch is supplied
- Updates to data for Polar regions, Algeria and Spain

Deprecated

- The namespace of all `*Point` classes have been tidied up and changed to from `PHPCoord` to `PHPCoord\Point` e.g. `PHPCoord\GeographicPoint` is now `PHPCoord\Point\GeographicPoint`. An alias has been provided, all existing code referencing the old names will continue to work

1.20.6 5.4.0 - 2023-05-27

Added

- Added `getSupportedSRIDsWithHelp()` as a version of `getSupportedSRIDs()` that returns at runtime the inline help available within the source code

Changed

- Updates to data for Algeria, Bosnia and Herzegovina, Denmark, Germany, Latvia and USA

1.20.7 5.3.1 - 2023-02-20

Changed

- Further enhancements to coordinate conversion from a `CompoundPoint`

1.20.8 5.3.0 - 2023-02-19

Added

- Support for converting coordinates from a `CompoundPoint` where the horizontal component is `Projected` to a 3D CRS

Changed

- Updates to data for ETRS89, Colombia, Slovenia, USA and UK

Fixed

- Don't use 2D CRS as intermediate in a chain when converting from/to a 3D CRS

1.20.9 5.2.0 - 2023-01-08

Changed

- Updates to data for IGS, Japan and UK

Fixed

- Improved handling of extent polygon buffering involving complex shapes (e.g. Netherlands)
- Fixed longitude wraparound issue with GTX grids

1.20.10 5.1.0 - 2022-11-10

Added

- Support for 3D projected coordinates
- Support for custom coordinate reference systems and custom conversions

Changed

- Updates to data for ITRF, WGS84, Australia, Belgium, Canada, France, Germany, Iceland, Indonesia, Ireland, Japan, Luxembourg, Norway, North Macedonia, UK and USA
- Some internal simplifications and optimisations

Fixed

- Improved handling of longitudes greater than 180 degrees
- Corrected conversion of geocentric coordinates to geographic coordinates when using a non-Greenwich prime meridian

1.20.11 5.0.1 - 2022-01-29

Fixed

- Guard against divide by zero issues when calculating distance between two points

1.20.12 5.0.0 - 2021-11-12

Added

- Support for IGN France geocentric translation by grid interpolation. This requires the Europe datapack
- Support for vertical grid files. These require a relevant datapack

Changed

- The signatures of all `*Point::create*()` methods have been changed to put the CRS *first*. Previously the distance/direction values came first. This is to ensure that all optional parameters are at the end of the signature, addressing a PHP8.1 deprecation.

  Example:

```
// in v4
GeographicPoint::create(
    Angle $latitude,
    Angle $longitude,
    ?Length $height = null,
    Geographic $crs, // was after distance/direction
    ?DateTimeInterface $epoch = null
): GeographicPoint

// in v5
GeographicPoint::create(
    Geographic $crs, // now goes first
    Angle $latitude,
    Angle $longitude,
    ?Length $height = null,
    ?DateTimeInterface $epoch = null
): GeographicPoint
```

- Updates to data for Canada, Norway, UK
- Some internal simplifications and optimisations
- Supported PHP versions changed to `^8.0`

1.20.13 4.7.1 - 2024-01-26

The v4.x series is receiving basic maintenance only. All feature development takes place in v5.x. This is because one of PHP8.1's new deprecations required a significant non-backwards compatible change to address.

Fixed

- Buffering of Irish extent

1.20.14 4.7.0 - 2022-06-26

Added

- Support for defining 3D projected coordinates

Fixed

- Improved handling of longitudes greater than 180 degrees
- Corrected conversion of geocentric coordinates to geographic coordinates when using a non-Greenwich prime meridian

Changed

- Updates to data for ITRF, WGS84, Australia, Belgium, Canada, France, Germany, Iceland, Ireland, Japan, Luxembourg, Norway, North Macedonia, UK and USA

1.20.15 4.6.1 - 2022-01-29

Fixed

- Guard against divide by zero issues when calculating distance between two points

1.20.16 4.6.0 - 2021-10-22

Changed

- Updates to data for Papua New Guinea, Ukraine and WGS84
- Some internal simplifications and optimisations

Fixed

- Corrected the decoding of sexagesimal DMS degree fractional components

1.20.17 4.5.0 - 2021-09-25

Changed

- Updates to data for Canada, Costa Rica, France, French Southern Territories, Kyrgistan, Liechtenstein, Poland, Russia, Switzerland, Tonga, UK, USA, Wallis and Futuna
- Many internal simplifications and optimisations, leading to faster conversions and a corresponding update of the maximum chain depth from 5 to 7

Fixed

- *Some* PHP8.1 deprecations

Deprecated

- `Compound::EPSG_RGF93_LAMBERT_93_PLUS_NGF_IGN69_HEIGHT`, use `Compound::EPSG_RGF93_V1_LAMBERT_93_PLUS_NG` instead
- `Compound::EPSG_RGF93_LAMBERT_93_PLUS_NGF_IGN78_HEIGHT`, use `Compound::EPSG_RGF93_V1_LAMBERT_93_PLUS_NG` instead
- `Compound::EPSG_RGF93_PLUS_NGF_IGN69_HEIGHT`, use `Compound::EPSG_RGF93_V2_PLUS_NGF_IGN69_HEIGHT` instead
- `Compound::EPSG_RGF93_PLUS_NGF_IGN78_HEIGHT`, use `Compound::EPSG_RGF93_V2_PLUS_NGF_IGN78_HEIGHT` instead
- `Geocentric::EPSG_CHTRF95`, use `Geocentric::EPSG_CHTRS95` instead
- `Geocentric::EPSG_RGF93`, use `Geocentric::EPSG_RGF93_V1` instead
- `Geographic2D::EPSG_CHTRF95`, use `Geographic2D::EPSG_CHTRS95` instead
- `Geographic2D::EPSG_RGF93`, use `Geographic2D::EPSG_RGF93_V1` instead
- `Geographic2D::EPSG_RGF93_LON_LAT`, use `Geographic2D::EPSG_RGF93_V1_LON_LAT` instead
- `Geographic3D::EPSG_CHTRF95`, use `Geographic3D::EPSG_CHTRS95` instead
- `Geographic3D::EPSG_RGF93`, use `Geographic3D::EPSG_RGF93_V1` instead
- `Geographic3D::EPSG_RGF93_LON_LAT`, use `Geographic3D::EPSG_RGF93_V1_LON_LAT` instead
- `Projected::EPSG_RGF93_CC42`, use `Projected::EPSG_RGF93_V1_CC42` instead
- `Projected::EPSG_RGF93_CC43`, use `Projected::EPSG_RGF93_V1_CC43` instead
- `Projected::EPSG_RGF93_CC44`, use `Projected::EPSG_RGF93_V1_CC44` instead
- `Projected::EPSG_RGF93_CC45`, use `Projected::EPSG_RGF93_V1_CC45` instead
- `Projected::EPSG_RGF93_CC46`, use `Projected::EPSG_RGF93_V1_CC46` instead
- `Projected::EPSG_RGF93_CC47`, use `Projected::EPSG_RGF93_V1_CC47` instead
- `Projected::EPSG_RGF93_CC48`, use `Projected::EPSG_RGF93_V1_CC48` instead
- `Projected::EPSG_RGF93_CC49`, use `Projected::EPSG_RGF93_V1_CC49` instead
- `Projected::EPSG_RGF93_CC50`, use `Projected::EPSG_RGF93_V1_CC50` instead
- `Projected::EPSG_RGF93_LAMBERT_93`, use `Projected::EPSG_RGF93_V1_LAMBERT_93` instead

- `Datum::EPSG_SWISS_TERRESTRIAL_REFERENCE_FRAME_1995`, use `Datum::EPSG_SWISS_TERRESTRIAL_REFERENCE_SYSTE` instead
- `Datum::EPSG_RESEAU_GEODESIQUE_FRANCAIS_1993`, use `Datum::EPSG_RESEAU_GEODESIQUE_FRANCAIS_1993_V1` instead

1.20.18 4.4.0 - 2021-06-24

Added

- Support for NTv2, OSTN15/OSGM15 and NADCON5 grid files. These require a relevant datapack

Changed

- Updates to data for Argentina, Belgium, Canada, Costa Rica, Czechia, Greenland, Italy, Russia, UK and USA
- Performance optimisations
- Supported PHP versions changed to `^7.4||^8.0`

Deprecated

- `Compound::EPSG_BELGE_1972_BELGIAN_LAMBERT_72_PLUS_OSTEND_HEIGHT`, use `Compound::EPSG_BD72_BELGIAN_LAMBERT_72_PLUS_OSTEND_HEIGHT` instead
- `Geographic2D::EPSG_BELGE_1950`, use `Geographic2D::EPSG_BD50` instead
- `Geographic2D::EPSG_BELGE_1950_BRUSSELS`, use `Geographic2D::EPSG_BD50_BRUSSELS` instead
- `Geographic2D::EPSG_BELGE_1972`, use `Geographic2D::EPSG_BD72` instead
- `Projected::EPSG_BELGE_1950_BRUSSELS_BELGE_LAMBERT_50`, use `Projected::EPSG_BD50_BRUSSELS_BELGE_LAMBERT` instead
- `Projected::EPSG_BELGE_1972_BELGE_LAMBERT_72`, use `Projected::EPSG_BD72_BELGE_LAMBERT_72` instead
- `Projected::EPSG_BELGE_1972_BELGIAN_LAMBERT_72`, use `Projected::EPSG_BD72_BELGIAN_LAMBERT_72` instead
- `Vertical::EPSG_GENOA_HEIGHT`, use `Vertical::EPSG_GENOA_1942_HEIGHT` instead
- `Datum::EPSG_GENOA`, use `Datum::EPSG_GENOA_1942` instead

1.20.19 4.3.0 - 2021-04-24

Added

- Datapacks. See docs for more info

Changed

- Updates to data for Canada

1.20.20 4.2.0 - 2021-04-19

Added

- More accurate extent data

Fixed

- Ensure projections still work even when origin points are on the other side of the antimeridian

Changed

- Updates to data for Australia, Poland, UK and US Gulf of Mexico

Deprecated

- `Compound::EPSG_OSGB_1936_BRITISH_NATIONAL_GRID_PLUS_ODN_HEIGHT`, use `Compound::EPSG_OSGB36_BRITISH_NATIONAL_GRID_PLUS_ODN_HEIGHT` instead
- `Geographic2D::EPSG_OSGB_1936`, use `Geographic2D::EPSG_OSGB36` instead
- `Projected::EPSG_OSGB_1936_BRITISH_NATIONAL_GRID`, use `Projected::EPSG_OSGB36_BRITISH_NATIONAL_GRID` instead
- `Projected::EPSG_ETRS89_POLAND_CS2000_ZONE_5`, use `Projected::EPSG_ETRF2000_PL_CS2000_15` instead
- `Projected::EPSG_ETRS89_POLAND_CS2000_ZONE_6`, use `Projected::EPSG_ETRF2000_PL_CS2000_18` instead
- `Projected::EPSG_ETRS89_POLAND_CS2000_ZONE_7`, use `Projected::EPSG_ETRF2000_PL_CS2000_21` instead
- `Projected::EPSG_ETRS89_POLAND_CS2000_ZONE_8`, use `Projected::EPSG_ETRF2000_PL_CS2000_24` instead
- `Projected::EPSG_ETRS89_POLAND_CS92`, use `Projected::EPSG_ETRF2000_PL_CS92` instead
- `Datum::EPSG_OSGB_1936`, use `Datum::EPSG_ORDNANCE_SURVEY_OF_GREAT_BRITAIN_1936` instead

1.20.21 4.1.0 - 2021-03-03

Added

- Added `UTMPoint` as a better way of handling UTM zones than the EPSG model does it
  - Improved conversion chaining for `CompoundPoints`

Changed

- Moved `verticalOffsetAndSlope` method from `CompoundPoint` to `VerticalPoint`. This is technically a breaking change, but since the code is only 2 days old shouldn't affect anyone.

1.20.22 4.0.1 - 2021-03-01

Fixed

- Documentation issues

1.20.23 4.0.0 - 2021-03-01

Added

- Chaining of conversions
- Documentation(!)

1.20.24 4.0.0beta1 - 2021-01-05

Added

- 6200+ new coordinate systems.

Changed

- Project reimplemented from scratch. License changed from GPL to MIT.

1.20.25 3.1.2 - 2020-09-29

Changed

- Supported PHP versions changed from `^7.1` to `^7.3||^8.0`

1.20.26 3.1.1 - 2020-04-16

Fixed

- Corrected an issue with transforming ITM references to WGS84
- Corrected an issue with transforming Irish Grid references to WGS84

1.20.27 3.1.0 - 2019-07-21

Added

- Added `OSRef::toGridReferenceWithSpaces` to complement `OSRef::toGridReference` [thomasedwards]

1.20.28 3.0.0 - 2019-04-13

Added

- Support for *accepting* 2, 4, 8 and 10 figure Ordnance Survey references (6 figure was already supported)

Changed

- fromSixFigureReference
- All value objects are now immutable - calling a conversion function on them now returns a *new* object rather than modifying the existing one
- Minimum PHP version is now 7.1

Removed

- HHVM support now that project has a stated goal of no longer targeting PHP7 compatibility
- `OSRef::fromSixFigureReference()` has been removed, use `OSRef::fromGridReference()` instead
- `OSRef::to[Two/Four/Six/Eight/Ten]FigureReference()` have been removed, use `OSRef::toGridReference($length)` instead

1.20.29 2.1 - 2016-09-20

Added

- Added distance calculations for grid-based co-ordinate systems to complement the existing lat/long implementation

1.20.30 2.0.3 - 2016-05-29

Fixed

- Fixed confusing docblock

1.20.31 2.0.2 - 2016-01-31

Fixed

- Ensure consistency of units

1.20.32 2.0.1 - 2016-01-19

Added

- Add support for 2, 4, 8 and 10 figure Ordnance Survey references (6 figure was already supported) [stevegoddard]

1.20.33 2.0 - 2016-01-03

Added

- 3D co-ordinates
- Irish Grid and ITM support

Changed

- Major refactoring, breaks compatibility with previous API (hopefully for the better!)

1.20.34 1.1.2 - 2015-12-31

Fixed

- Corrected issue with Helmert transform where the resulting co-ordinate could be placed into the wrong quadrant

1.20.35 1.1.1 - 2014-11-19

Fixed

- Corrected bug in original code where OS 6-figure grid references were sometimes off by 1

Changed

- Updated Composer to use PSR-4

1.20.36 1.1 - 2013-08-01

Just cleanup

1.20.37 1.0.0 - 2013-02-13

Initial release of this fork (based off of v2.3 of original)

Fixed

- When converting Latitude and Longitude between WGS84 and OSGB36 or vice-versa, a wrong constant for the y translation has been corrected (was off by 1 metre)

Changed

- Eastings and northings are rounded to 1m, and lat/long to 5dp (approx 1m) to avoid any misconceptions that precision is the same thing as accuracy.
- When calculating surface distances, a more accurate mean radius is now used rather than that derived from historical definitions of a nautical mile